

## Appendix-3

### REPORT OF EXISTING DRAINAGE SURVEY



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## 1. INTRODUCTION

This document contains the existing drainage survey summary result that was conducted by sampling to study of a wastewater management project planning - Sewerage System Development in Zone-1, DKI Jakarta, Metropolitan Sanitari Management Investment Program.

## 2. PROJECT LOCATION

The survey areas are Kecamatan Tambora, Kecamatan Tanah Abang, and Kecamatan Menteng as a part of Zone-1.



Zone-1, Jakarta Sewerage Project

### 3. PURPOSE OF THE STUDY

The purpose of the study is to collect data as well as information and management plan of existing drainage system in zone-1 area, which applies interceptors system using existing drainage.

### 4. IMPLEMENTATION

#### MANNING SCHEDULE EXISTING DRAINAGE SURVEY ZONE-1 SEWERAGE SYSTEM DEVELOPMENT IN DKI JAKARTA

| No | Name                       | Description       | Month |     |      | MM   | Remark   |
|----|----------------------------|-------------------|-------|-----|------|------|----------|
|    |                            | Profesional Staff | April | May | June |      |          |
| 1  | Sudadi, Ir.Dipl.HE         | Team Leader       |       |     |      | 2.25 | 1.0 Pers |
| 2  | Mardi Karyanto, Ir.Dipl.HE | Drainage Engineer |       |     |      | 1.75 | 1.0 Pers |

| No | Name          | Description            | Month |     |      | MM   | Remark   |
|----|---------------|------------------------|-------|-----|------|------|----------|
|    |               | Supporting Staff       | April | May | June |      |          |
| 1  | Setiyono, ST  | CAD Operator           |       |     |      | 1.75 | 1.0 Pers |
| 2  | Riandana      | Surveyor (First Team)  |       |     |      | 1.5  | 2.0 Pers |
|    | Saiful        | Surveyor (Second Team) |       |     |      | 1.5  |          |
| 3  | Esti Khasanah | Computer Operator      |       |     |      | 2.25 | 1.0 Pers |
|    |               |                        |       |     |      | 7    |          |

The activities and the schedule of implementation as follow :

**WORKPLAN SCHEDULE**  
**EXISTING DRAINAGE SURVEY**  
**ZONE-1 SEWERAGE SYSTEM DEVELOPMENT IN DKI JAKARTA**

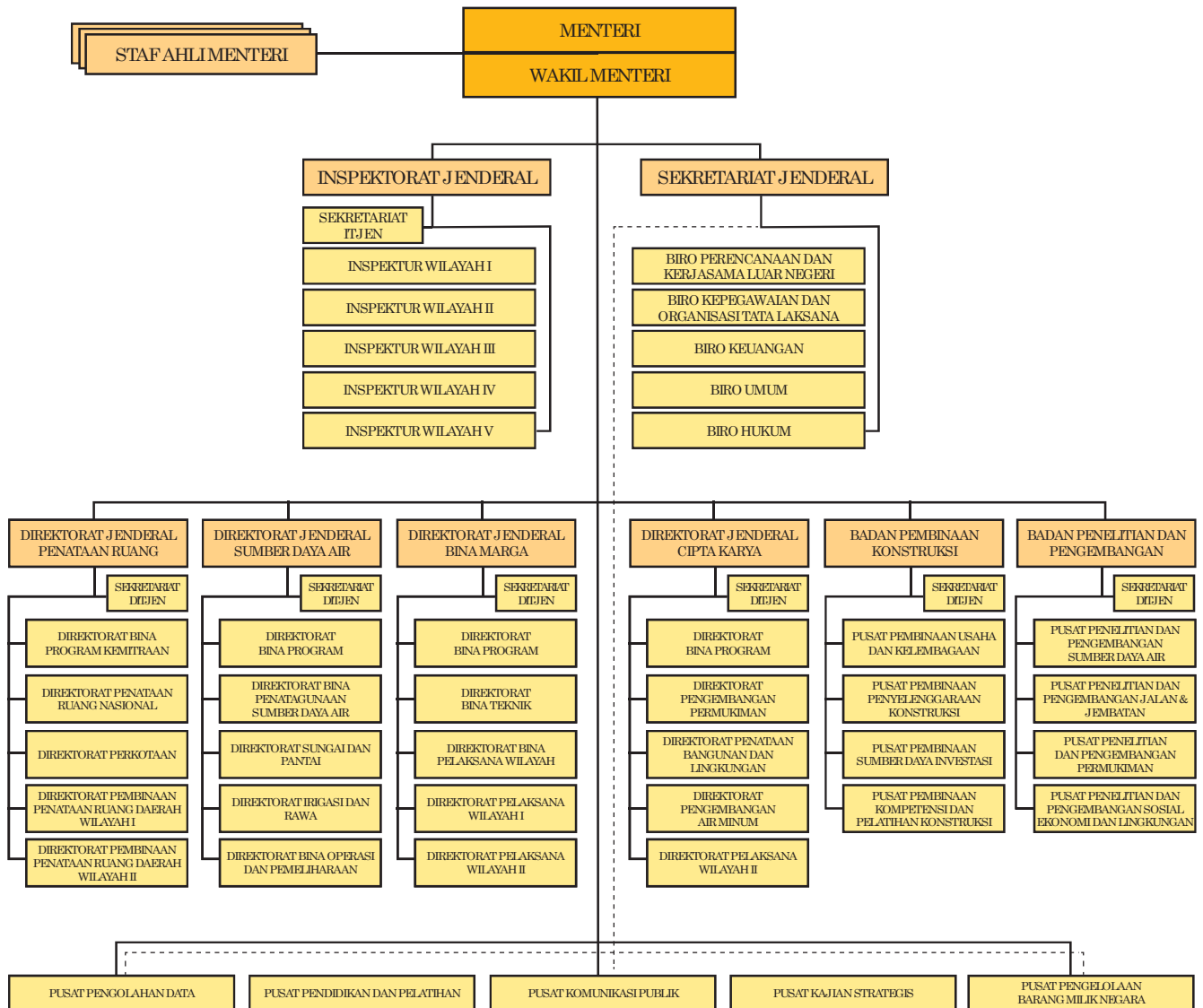
| No | Activities                                                                                                                                                                                                              | Month                                                                                         |                                                                                                                                                                               |                    | Remark                                                                                                                                                                                              |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                                                                                                                                                                                         | April                                                                                         | May                                                                                                                                                                           | June               |                                                                                                                                                                                                     |
| 1  | Collecting data: <ul style="list-style-type: none"> <li>• Masterplan drainage in DKI</li> <li>• Topography, drainage system, road network, adm boundary</li> <li>• Etc</li> </ul>                                       | 21 April<br> |                                                                                                                                                                               |                    | 1 <sup>st</sup> month: 21 - 30 April<br>2 <sup>nd</sup> month: 1 - 31 May<br>3 <sup>rd</sup> month: 1 - 28 June                                                                                     |
| 2  | Field Survey: <ul style="list-style-type: none"> <li>• Road &amp; drainage networks ( length, condition, flow capacity, dimention, etc)</li> <li>• 6 model district (as same as road &amp; drainage network)</li> </ul> |                                                                                               | <br><br> |                    | 2 (two) team work                                                                                                                                                                                   |
| 3  | Reporting <ul style="list-style-type: none"> <li>• Interim Report</li> <li>• Final Report</li> <li>• Drawing, photos &amp; CD</li> </ul>                                                                                |                                                                                               |  10 May                                                                                    | 27 June<br>27 June |  Each report 5 copies<br> |

## 5. DATA COLLECTION AND SURVEY WORKS

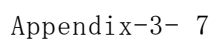
### 5.1. Data /Information

#### 5.1.1 Organization Concern with Drainage Works

##### a. Organization of Ministry Public Works



# REPORT OF EXISTING DRAINAGE SURVEY



### 5.1.2. Jobs Allocation of Flood Controls Activities

- a. Jobs allocation of flood control activities between Direktorat General of Water Resources, Ministry of Public Work/Balai Besar Wilayah Sungai Ciliwung - Cisadane with Public Work Agency, DKI Jakarta Province

Task devision management between Public Works Agency DKI, the Sub Agency of Public Works and the Road Agency (Drainage Criteria)

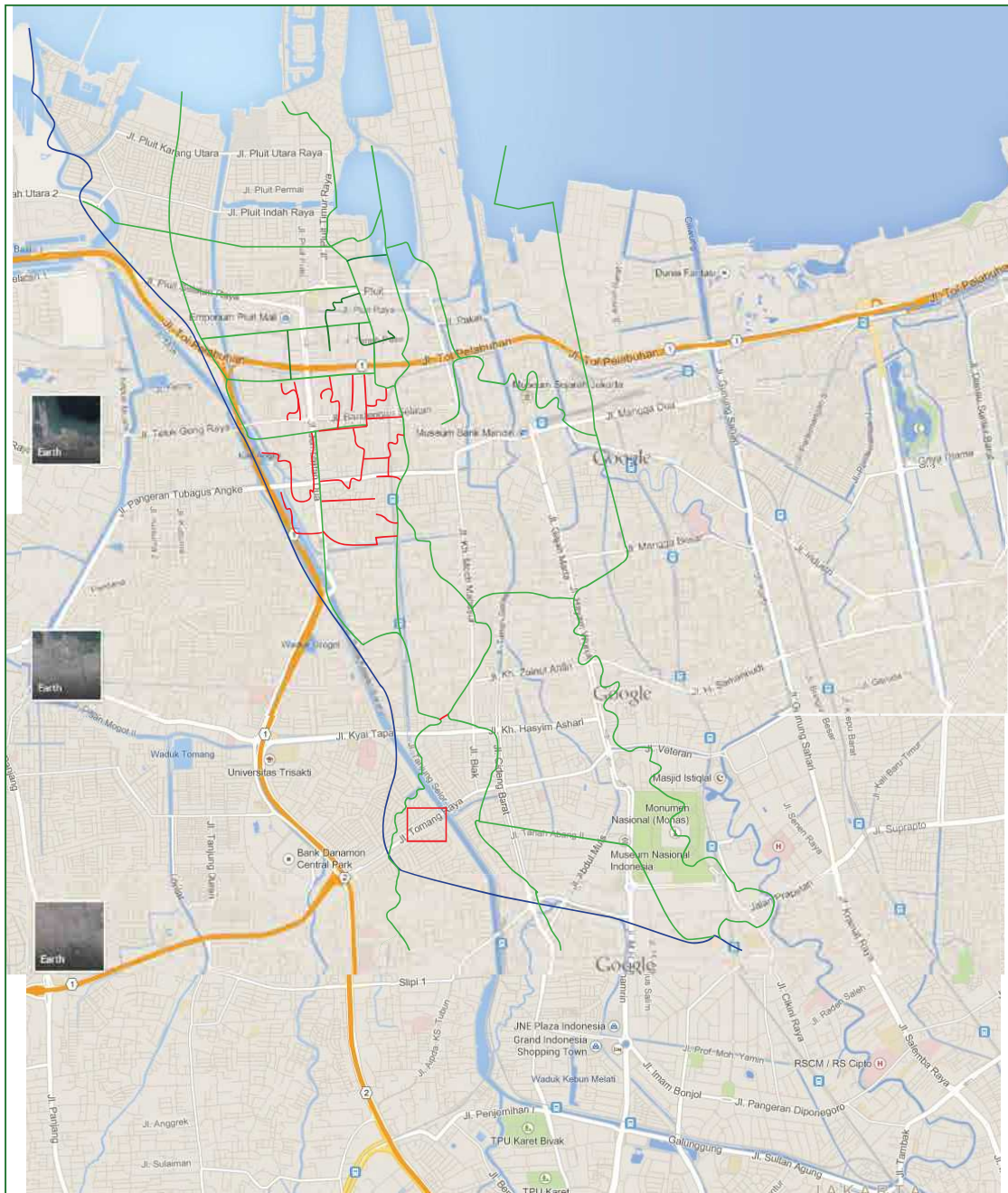


- b. Jobs allocation between Public Works Agency DKI, the Sub Agency of Public Works and the Road Agency (Drainage Criteria)

|                                                                                     |                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Type of Drainage:</p> <p>Macro (DPU)</p> <p>Sub-Macro (Dinas)</p> <p>Collector (Suku-Dinas)</p> <p>Micro (Suku-DinasJalan)</p> <p>ditto (Dinas PU)</p> |
| <p>Example time of trained at Kecamatan Tambora</p>                                 |                                                                                                                                                           |

Type of Drainage in Zone-1

## Type of Drainage in Zone-1



## PROGRAM PELAKSANAAN PENANGANAN BANJIR DKI JAKARTA

5.1.3. Program Flood Controls for DKI Jakarta  
a. Flood controls program by Ciliwung - Cisadane Project (2012 - 2017)

| No                                                                      | PROGRAM/KEGIATAN                                          | STATUS            | JADWAL PELAKSANAAN |      |      |      |      |      |                | PEMBERASAN<br>TANAH (X1 000) | BIAYA KONSTRUKSI<br>(X1 000) |
|-------------------------------------------------------------------------|-----------------------------------------------------------|-------------------|--------------------|------|------|------|------|------|----------------|------------------------------|------------------------------|
|                                                                         |                                                           |                   | 2012               | 2013 | 2014 | 2015 | 2016 | 2017 |                |                              |                              |
| 1.                                                                      | Peningkatan Kapasitas Kanal Banjir Barat                  | Sudah selesai     |                    |      |      |      |      |      |                | 350.000.000                  |                              |
| 2.                                                                      | Peningkatan Kapasitas Kanal Banjir Timur                  | Sudah selesai     |                    |      |      |      |      |      | 2.400.000.000  | 2.427.953.539                |                              |
| 3.                                                                      | Normalisasi Kali Pesanggrahan, Angke dan Sunter           | Dalam Pelaksanaan |                    |      |      |      |      |      | 2.644.300.000  | 2.294.999.980                |                              |
| 4.                                                                      | JUEMP/JEDI (Cengkareng Drain, Sunter Hilir, Muara BEK)    | Proses Pelelangan |                    |      |      |      |      |      |                | 1.427.080.218                |                              |
| 5.                                                                      | Normalisasi Kali Gliwung                                  |                   |                    |      |      |      |      |      |                |                              |                              |
|                                                                         | A. Pintu Air Manggarai dan Pintu Air Karet                | Dalam Pelaksanaan |                    |      |      |      |      |      |                | 218.165.000                  |                              |
|                                                                         | B. Normalisasi Kali Gliwung Lama                          | Dalam Pelaksanaan |                    |      |      |      |      |      |                | 241.353.000                  |                              |
|                                                                         | C. Normalisasi Kali Gliwung (PA Manggarai - TB Smatupang) | Proses Lelang     |                    |      |      |      |      |      | 1.640.000.000  | 1.250.000.000                |                              |
| 6.                                                                      | Normalisasi Kali Krukut                                   | Rencana           |                    |      |      |      |      |      | 750.000.000    | 700.000.000                  |                              |
| 7.                                                                      | Normalisasi Kali Cipinang (Hulu)                          | Rencana           |                    |      |      |      |      |      | 800.000.000    | 600.000.000                  |                              |
| 8.                                                                      | Pembangunan Sudetan Kali Gliwung ke Kanal Banjir Timur    | Proses Lelang     |                    |      |      |      |      |      | 30.000.000     | 720.000.000                  |                              |
| 9.                                                                      | Pembangunan Waduk Ciawi                                   | Rencana           |                    |      |      |      |      |      | 3.750.000.000  | 3.900.000.000                |                              |
| 10.                                                                     | Pembangunan Rompa Pluit                                   | Dalam Pelaksanaan |                    |      |      |      |      |      |                | 160.000.000                  |                              |
| 11.                                                                     | Revitalisasi Situ-Situ adn DAM Parit Jabodetabek          | Dalam Pelaksanaan |                    |      |      |      |      |      |                | 500.000.000                  |                              |
| 12.                                                                     | Pembangunan Check DAM dan Sumur Resapan                   | Rencana           |                    |      |      |      |      |      |                | 250.000.000                  |                              |
| TOTAL BIAYA                                                             |                                                           |                   |                    |      |      |      |      |      | 12.014.300.000 | 15.039.551.737               |                              |
| A                                                                       | Pekerjaan yang sudah selesai (No: 1,2)                    |                   |                    |      |      |      |      |      | 2.400.000.000  | 2.777.953.539                |                              |
| B                                                                       | Pekerjaan yang terkontraks/d 2014 (No: 3, 5A, 5B, 10)     |                   |                    |      |      |      |      |      | 2.644.300.000  | 2.914.517.980                |                              |
| Pekerjaan yang belum terkontraks/d 2014 (No: 4, 5C, 6, 7, 8, 9, 11, 12) |                                                           |                   |                    |      |      |      |      |      | 6.970.000.000  | 9.347.080.218                |                              |

» Jakarta Emergency Dredging Initiative Program (2013 -2016)

### PROJECT DEVELOPMENT OBJECTIVE (PDO)

PDO of JUFMP/JEDI is to :

1. Reduce the frequency and extend of flooding in Jakarta through the dredging of key waterways and flood retention basins (waduk);
2. Invest in the institutions responsible for flood management.

The project is intended to reduce the economic and social cost of flooding by partially restoring the capacity of the city's flood control system to its original design level. It is expected that the project would benefit the poorer segments of the population, who live in flood-prone areas and are most vulnerable to the immediate impacts of flooding, including loss of income , medical cost, as well as the cost of infrastructure, bussiness and home repairs.



- ~ Carry out by DGWR (Ditjen SDA)
- ~ Carry out by DGCK (Ditjen Cipta Karya)
- ~ Carry out by Dinas PUDKI

## » List of Project and Executive



## » Summary of Project Cost

SUMMARY OF PROJECT COST

| PORTION                                                                             | PACKAGE | COST ESTIMATES    |                     |                    |                    |
|-------------------------------------------------------------------------------------|---------|-------------------|---------------------|--------------------|--------------------|
|                                                                                     |         | Rp                | US \$<br>(Rp10.000) | US \$<br>(Rp9.500) | US \$<br>(Rp9.000) |
| PU-DKI/JAKARTA                                                                      | 1       | 360.756.479.868   | 36.075.648          | 37.974.366         | 40.084.053         |
|  | 4       | 212.842.684.862   | 21.284.268          | 22.404.493         | 23.649.187         |
|                                                                                     | 7       | 238.601.315.740   | 23.860.132          | 25.115.928         | 26.511.257         |
|                                                                                     |         | 812.200.480.470   | 81.220.048          | 85.494.787         | 90.244.498         |
| DGWR-CILCIS                                                                         | 2A      | 253.826.360.800   | 25.382.636          | 26.718.564         | 28.202.929         |
|  | 2B      | 65.917.654.723    | 6.591.765           | 6.938.700          | 7.324.184          |
|                                                                                     | 6       | 114.569.226.038   | 11.456.923          | 12.059.919         | 12.729.914         |
|                                                                                     |         | 434.313.241.561   | 43.431.324          | 45.717.183         | 48.257.027         |
| CIPTAKARYA                                                                          | 3       | 56.305.872.281    | 5.630.587           | 5.926.934          | 6.256.208          |
|  | 5       | 124.260.625.161   | 12.426.063          | 13.050.066         | 13.806.736         |
|                                                                                     |         | 180.566.497.442   | 18.056.650          | 19.007.000         | 20.062.944         |
| TOTAL                                                                               |         | 1.427.080.219.473 | 142.708.022         | 150.218.970        | 158.564.469        |

c. Program of Operation and Maintenance Drainage Channel in DKI

1) Budget of O&MDKI (2014)

3) Budget of O2M (2014) :

- Dinas PU DKI : 591 billion IDR/Yen
- Suku Dinas : 150 billion IDR/Yen

4) PU Kecamatan Tambora, Jakra Barat  
Suku Dinas Tambora, Jakarta Barat

No. of Staffs: 20 staffs (Admini. 5, Technician 15 including Operator 2 and Supervisor 2-3))  
Budget : Approx. 2-3 bili. IDR/year

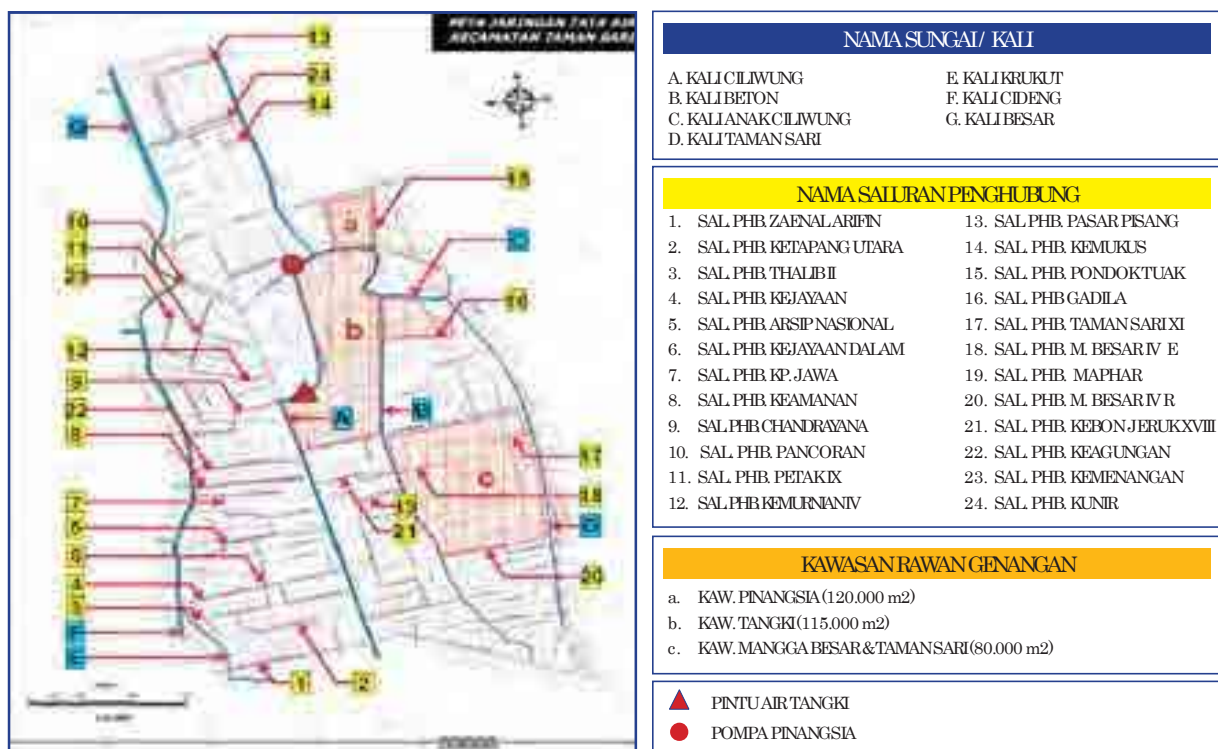
**Desludging Cost**  
Including worker, truck and dumping site cost.

|                                                                                                                                                                       |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <p>Sludge Volume <math>1m^3 = 5 - 10</math> bags</p> <p>Desludging cost = 5,000 - 7,500 IDR/bag</p> <p>= 100,000 IDR/<math>m^3</math></p> <p>= 5,000,000 IDR/100m</p> |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|

2) Location of O & M drainage Project of Suku Dinas Jakarta Barat

~ Peta Jaringan Drainase di Kec. Taman Sari

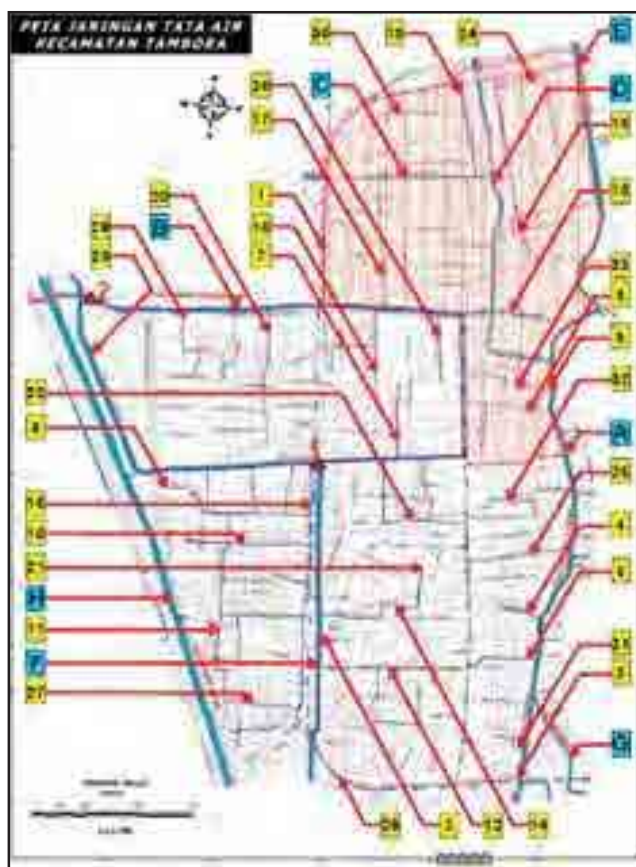
PETA JARINGAN TATA AIR & KAWASAN GENANGAN KECAMATAN TAMAN SARI



SUKU DINAS PEKERJAAN UMUM TATA AIR - KOTA ADMINISTRASI JAKARTA BARAT

~ Peta Jaringan Drainase di Kec. Tambora

## PETA JARINGAN TATA AIR & KAWASAN GENANGAN KECAMATAN TAMBORA



### NAMA SUNGAI/ KALI

- |                   |                      |
|-------------------|----------------------|
| A. KALI CIDENG    | E. KALI BESAR        |
| B. KALI ANGKE     | F. KALI DURI         |
| C. KALI BANDENGAN | G. KALI KRUKUT       |
| D. KALI JEKENG    | H. KALI BANJIR KANAL |

### NAMA SALURAN PENGHUBUNG

- |                                  |                                 |
|----------------------------------|---------------------------------|
| 1. SAL. PHB. KAMPUNG JANIS       | 18. SAL. PHB. PERNIAGAAN        |
| 2. SAL. PHB. DURI BANGKIT        | 19. SAL. PHB. TELEPON KOTA      |
| 3. SAL. PHB. ZAINAL ARIFIN       | 20. SAL. PHB. RUMAH SUSUN ANGKE |
| 4. SAL. PHB. TANAH SEREAL 11     | 21. SAL. PHB. MOCH. MANSYUR     |
| 5. SAL. PHB. TANAH SEREAL 9      | 22. SAL. PHB. KRENDANG          |
| 6. SAL. PHB. LIBERTY             | 23. SAL. PHB. PADAMULYA         |
| 7. SAL. PHB. SAWAH LIO           | 24. SAL. PHB. TIANG BENDERA     |
| 8. SAL. PHB. TAMBORA             | 25. SAL. PHB. TANAH SEREAL      |
| 9. SAL. PHB. TAMBORA IV          | 26. SAL. PHB. LAKSA IV          |
| 10. SAL. PHB. JEMBATAN BESI RAYA | 27. SAL. PHB. KALIANYAR VI      |
| 11. SAL. PHB. KALIANYAR          | 28. SAL. PHB. SAMA RASA         |
| 12. SAL. PHB. DURI               | 29. SAL. PHB. DURI SELATAN      |
| 13. SAL. PHB. GEDONG PANJANG     | 30. SAL. PHB. GEDONG PANJANG i  |
| 14. SAL. PHB. LEMBAYUNG          | 31. SAL. PHB. TANAH SEREAL V    |
| 15. SAL. PHB. KEBON SAYUR        | 32. SAL. PHB. PEKAPURAN V       |
| 16. SAL. PHB. TERATE             | 33. SAL. PHB. TAMBORA V         |
| 17. SAL. PHB. PEKOJAN 1          |                                 |

### KAWASAN RAWAN GENANGAN

KAW. KEL. PEKOJAN, KEL. ROA MALAKA & KEL. TAMBORA AKIBAT AIR LAUT PASANG

### BANGUNAN PENGENDALI BANJIR - PINTU AIR

- ▲ PINTU AIR TANGKI
- POMPA PINANGSIA

SUKUDINAS PEKERJAAN UMUM TATA AIR - KOTA ADMINISTRASI JAKARTA BARAT

3) Target of O&M for the fiscal year 2014

~ The Local Channel

| NO        | LOKASI KEGIATAN                  | VOLUME                   |
|-----------|----------------------------------|--------------------------|
| I         | Kec. Taman Sari                  |                          |
| 1.        | Sal. Mangga Besar VI Utara       | 3.345,00 m <sup>2</sup>  |
| 2.        | Sal. Jl. Talib Raya              | 2.480,00 m <sup>2</sup>  |
| 3.        | Sal. Jl. Kejayaan                | 2.290,00 m <sup>2</sup>  |
| 4.        | Sal. Jl. Kebon Jeruk IX          | 2.340,00 m <sup>2</sup>  |
| 5.        | Sal. Jl. Ubi                     | 2.880,00 m <sup>2</sup>  |
| 6.        | Sal. Jl. Cengkeh                 | 2.520,00 m <sup>2</sup>  |
| 7.        | Sal. Jl. Sawah Besar I           | 2.030,00 m <sup>2</sup>  |
| 8.        | Sal. Jl. Kali Besar Timur        | 1.620,00 m <sup>2</sup>  |
| 9.        | Sal. Jl. Kebahagiaan             | 1.960,00 m <sup>2</sup>  |
| 10.       | Sal. Jl. Tangki Lio Timur        | 1.830,00 m <sup>2</sup>  |
| 11.       | Sal. Jl. Kebon Jeruk 19          | 2.240,00 m <sup>2</sup>  |
| 12.       | Sal. Jl. Mangga Besar IV Utara   | 1.960,00 m <sup>2</sup>  |
| 13.       | Sal. Jl. Mangga Besar IV Selatan | 2.110,00 m <sup>2</sup>  |
| 14.       | Sal. Jl. Kebon Jeruk III         | 2.905,00 m <sup>2</sup>  |
| SUB TOTAL |                                  | 32.510,00 m <sup>2</sup> |

| NO       | LOKASI KEGIATAN           | VOLUME                   |
|----------|---------------------------|--------------------------|
| III      | Kec. Tambora              |                          |
| 1.       | Sal. Jl. Tambora I        | 2448,00 m <sup>2</sup>   |
| 2.       | Sal. Jl. Padamulya V      | 1.424,00 m <sup>2</sup>  |
| 3.       | Sal. Jl. Hanura           | 1.981,00 m <sup>2</sup>  |
| 4.       | Sal. Jl. Kali Anyar VIII  | 2.392,00 m <sup>2</sup>  |
| 5.       | Sal. Jl. Tambora V        | 1.080,00 m <sup>2</sup>  |
| 6.       | Sal. Jl. Angke Jaya XI    | 1.580,00 m <sup>2</sup>  |
| 7.       | Sal. Jl. Tanah Sereal XV  | 2.510,00 m <sup>2</sup>  |
| 8.       | Sal. Jl. Tanah Sereal X   | 2.740,00 m <sup>2</sup>  |
| 9.       | Sal. Jl. Pejagalan V      | 1.720,00 m <sup>2</sup>  |
| 10.      | Sal. Jl. Jembatan Besi V  | 1.080,00 m <sup>2</sup>  |
| 11.      | Sal. Jl. Duri Selatan III | 2.770,00 m <sup>2</sup>  |
| 12.      | Sal. Jl. Duri Utara I     | 2.810,00 m <sup>2</sup>  |
| 13.      | Sal. Jl. Tiang Bendera I  | 2.650,00 m <sup>2</sup>  |
| 14.      | Sal. Jl. Kali Besar Barat | 2.020,00 m <sup>2</sup>  |
| SUBTOTAL |                           | 29.205,00 m <sup>2</sup> |

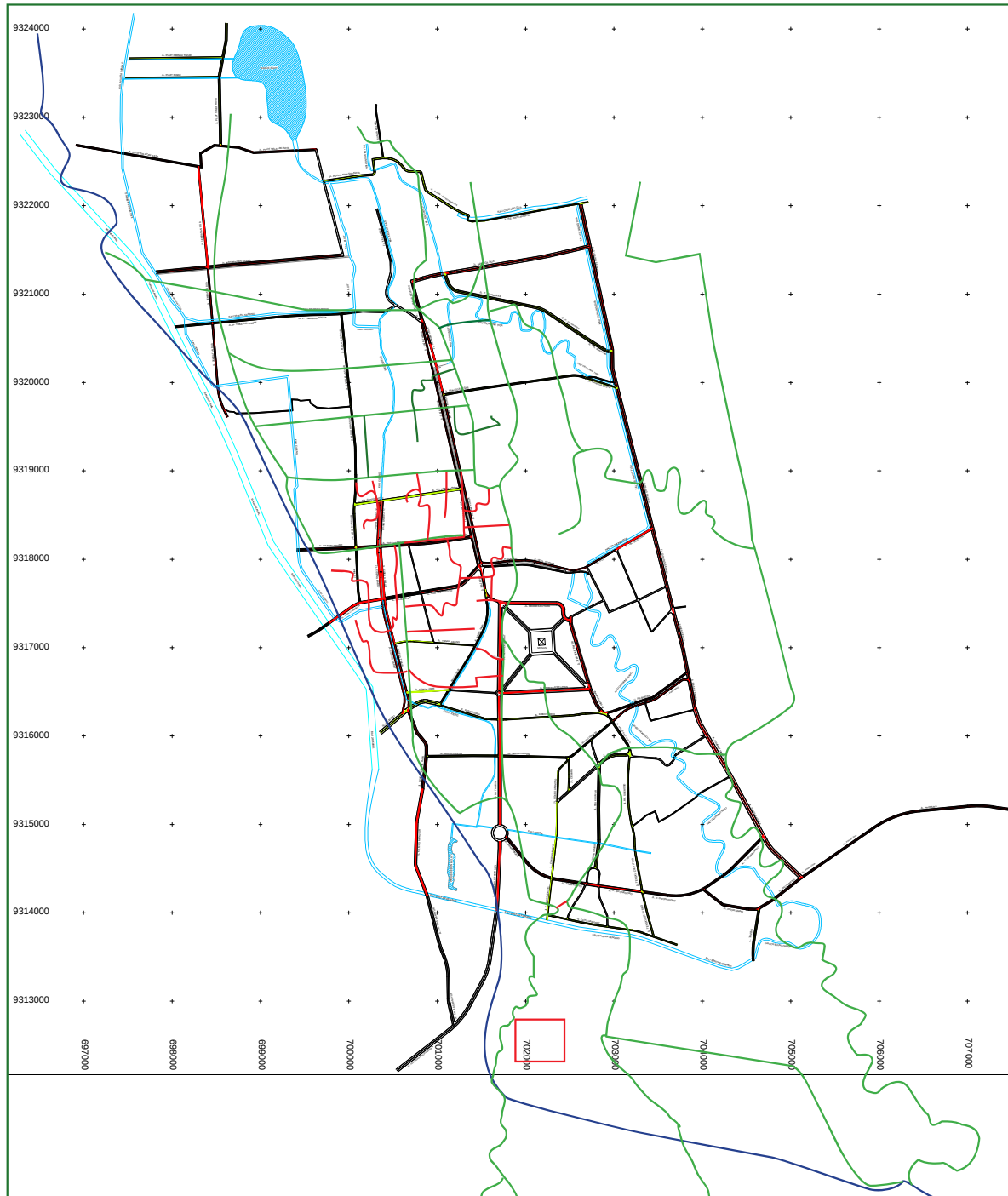
- Road Drainage Channel

| NO       | LOKASI KEGIATAN                                                           | VOLUME                  |
|----------|---------------------------------------------------------------------------|-------------------------|
| III      | Kec. Tamansari                                                            |                         |
| 1.       | Sal. Jl. Mangga Besar XI                                                  | 445,00 m <sup>2</sup>   |
| 2.       | Sal. Jl. Jembatan Batu (Dari Kali Besar s/d Kali Ciliwung                 | 1.215,00 m <sup>2</sup> |
| 3.       | Sal. Jl. Gajah Mada (Dari Jl. Zainul Ariefin s.d Jl. Pancoran             | 1.773,00 m <sup>2</sup> |
| 4.       | Sal. Jl. Hayam Wuruk (Dari Jl. S. Wiryoprano s/d Jl. Blustru              | 2.570,00 m <sup>2</sup> |
| 5.       | Sal. Jl. Mangga Besar VIII                                                | 1.725,00 m <sup>2</sup> |
| 6.       | Sal. Jl. Mangga Besar IX                                                  | 1.295,00 m <sup>2</sup> |
| 7.       | Sal. Jl. Jembatan Batu                                                    | 1.215,00 m <sup>2</sup> |
| 8.       | Sal. Jl. Kemumian II                                                      | 915,00 m <sup>2</sup>   |
| SUBTOTAL |                                                                           | 1.660,00 m <sup>2</sup> |
| III      | Kec. Tambora                                                              |                         |
| 1.       | Sal. Jl. PIB Angke (Dari Kali Duri s/d Jl. KH Moch. Mansyur               | 1.777,00 m <sup>2</sup> |
| 2.       | Sal. Jl. Latumenten sisi Barat (Kali Duri s/d Jl. PIB Angke               | 686,00 m <sup>2</sup>   |
| 3.       | Sal. Jl. KH. Moch. Mansyur (Dari Jl. Zainul Arifin s/d Jl. Krendang Utara | 1.527,00 m <sup>2</sup> |
| 4.       | Sal. Jl. Pekapuran Raya                                                   | 2.448,00 m <sup>2</sup> |
| 5.       | Sal. Jl. Jembatan Besi                                                    | 1.780,00 m <sup>2</sup> |
| 6.       | Sal. Jl. Pekapuran VIII                                                   | 3.631,00 m <sup>2</sup> |
| 7.       | Sal. Jl. Malaka                                                           | 2.480,00 m <sup>2</sup> |
| 8.       | Sal. Jl. Kopi                                                             | 1.190,00 m <sup>2</sup> |
| SUBTOTAL |                                                                           | 2.463,00 m <sup>2</sup> |

## 5.2 Result of Existing Drainage Survey

### 5.2.1. Overall Survey Along Main Road

#### a. Map and Model Survey Table of Main Road



#### THE TYPE OF DRAINASE

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | MACRO (KEMENTIRIAN PU)              |
|  | MACRO AND SUBMACRO (DINAS PU)       |
|  | COLLECTOR AND MICRO (SUKU DINAS PU) |
|  | MICRO (SUKU DINAS JALAN)            |

## LIST OF MAIN ROAD

| No. | Name Of Road         | JL UTAMA/<br>JL RAYA | KECAMATAN | Structure                   |              |                 |        |                         |              |                 |        | Condition |                              |             | Remark* |
|-----|----------------------|----------------------|-----------|-----------------------------|--------------|-----------------|--------|-------------------------|--------------|-----------------|--------|-----------|------------------------------|-------------|---------|
|     |                      |                      |           | Left                        |              |                 |        | Right                   |              |                 |        | L(m)      | Clogged<br>Failed<br>Subsidy | A<br>B<br>C |         |
|     |                      |                      |           | Type                        | Width<br>Top | Width<br>Bottom | Height | Type                    | Width<br>Top | Width<br>Bottom | Height |           |                              |             |         |
| 1   | JL SOEDIRMAN         | UTAMA                | Mtng      |                             | 1,50         | 1,50            | 1,00   |                         | 1,50         | 1,50            | 1,00   | 800,00    | Subsidy                      | B/C         | 0,80    |
| 2   | JL MERDEKA BARAT     | UTAMA                | Gbr       |                             | 0,70         | 0,70            | 1,20   |                         | 0,70         | 0,70            | 1,20   | 1.050,00  | Subsidy                      | B/C         | 0,80    |
| 3   | JL MERDEKA SELATAN   | UTAMA                | Gbr       |                             | 0,70         | 0,70            | 1,20   |                         | 0,75         | 0,75            | 0,70   | 1.050,00  | Subsidy                      | B/C         | 0,70    |
| 4   | JL MERDEKA TIMUR     | UTAMA                | Gbr       |                             | 0,70         | 0,70            | 1,20   |                         | 0,70         | 0,70            | 1,20   | 900,00    | Subsidy                      | B/C         | 0,80    |
| 5   | JL MERDEKA UTARA     | UTAMA                | Gbr       |                             | 0,70         | 0,70            | 1,20   |                         | 0,70         | 0,70            | 1,20   | 950,00    | Subsidy                      | B/C         | 0,60    |
| 6   | JL MAJAPAHIT         | UTAMA                | Gbr       |                             | 0,70         | 0,70            | 1,00   | -                       |              |                 |        | 550,00    | Subsidy                      | B/C         | 0,50    |
| 7   | JL HAYAM WURUK       | UTAMA                | Tmsr      |                             | 0,70         | 0,70            | 1,20   | KALI CILIWUNG GAJAHMADA |              |                 |        | 2.800,00  | Failed /<br>Subsidy          | B/C         | 0,70    |
| 8   | JL GAJAHMADA         | UTAMA                | Tmsr      | KALI CILIWUNG GAJAHMADA     |              |                 |        |                         | 0,70         | 0,70            | 1,20   | 2.850,00  | Failed /<br>Subsidy          | B/C         | 0,60    |
| 9   | JL JUANDA            | UTAMA                | Gbr       | KALI CILIWUNG GUNUNG SAHARI |              |                 |        |                         | 0,90         | 0,90            | 1,20   | 1.100,00  | Failed /<br>Subsidy          | B/C         | 0,70    |
| 10  | JL KH. HASYIM ASHARI | UTAMA                | Gbr       |                             | 1,00         | 1,00            | 1,50   |                         | 1,00         | 1,00            | 1,50   | 2.000,00  | Failed /<br>Subsidy          | B/C         | 0,80    |
| 11  | JL CIDENG TIMUR      | UTAMA                | Gbr       |                             | 0,90         | 0,90            | 1,20   | KALI CIDENG             |              |                 |        | 2.400,00  | Failed /<br>Subsidy          | B/C         | 0,80    |

|      |                                |       |       |                                                                                     |      |      |      |                                                                                       |      |      |      |          |                  |     |      |
|------|--------------------------------|-------|-------|-------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|------------------|-----|------|
| 12   | JL CIDENG BARAT                | UTAMA | Gbr   | KALICIDENG                                                                          |      |      |      |    | 0,90 | 0,90 | 1,20 | 2.400,00 | Failed / Subsidy | B/C | 0,70 |
| 13,1 | JL PLUIT SELATAN RAYA (TYPE-1) | UTAMA | Penjr |    | 0,75 | 0,75 | 1,10 |    | 0,75 | 0,75 | 1,10 | 950,00   | Failed / Subsidy | B/C | 0,60 |
| 13,2 | JL PLUIT SELATAN RAYA (TYPE-2) | UTAMA | Penjr |    | 1,00 | 0,80 | 1,20 |    | 1,50 | 1,50 | 1,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 13,3 | JL PLUIT SELATAN RAYA (TYPE-3) | UTAMA | Penjr |    | 1,00 | 0,80 | 1,20 |    | 1,50 | 1,50 | 1,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 14,1 | JL PLUIT TIMUR RAYA (TYPE-1)   | UTAMA | Penjr |    | 1,00 | 1,00 | 1,10 |    | 2,20 | 2,00 | 1,10 | 500,00   | Failed / Subsidy | B/C | 0,40 |
| 14,2 | JL PLUIT TIMUR RAYA (TYPE-2)   | UTAMA | Penjr | -                                                                                   |      |      |      |    | 2,50 | 2,30 | 1,30 | 500,00   | Subsidy          | B/C | 0,40 |
| 14,3 | JL PLUIT TIMUR RAYA (TYPE-3)   | UTAMA | Penjr |    | 1,30 | 1,10 | 1,10 |    | 2,50 | 2,30 | 1,50 | 400,00   | Subsidy          | B/C | 0,30 |
| 15,1 | JL PLUIT INDAH (TYPE-1)        | RAYA  | Penjr | -                                                                                   |      |      |      |    | 5,00 | 5,00 | 2,50 | 200,00   | Subsidy          | B/C | 0,40 |
| 15,2 | JL PLUIT INDAH (TYPE-2)        | RAYA  | Penjr |    | 1,00 | 1,00 | 1,20 |    | 5,00 | 5,00 | 2,50 | 600,00   | Subsidy          | B/C | 0,50 |
| 15,3 | JL PLUIT INDAH (TYPE-3)        | RAYA  | Penjr |    | 1,00 | 1,00 | 1,20 |    | 5,00 | 5,00 | 2,50 | 300,00   | Subsidy          | B/C | 0,50 |
| 16   | JL PLUIT PERMAI TIMUR          | RAYA  | Penjr |  | 1,40 | 1,40 | 1,20 |  | 4,00 | 4,00 | 2,00 | 1.100,00 | Failed / Subsidy | B/C | 0,60 |
| 17   | JL JEMBATAN TIGA               | UTAMA | Tambr |  | 0,70 | 0,70 | 0,80 |  | 5,00 | 5,00 | 2,00 | 1.200,00 | Subsidy          | B/C | 0,50 |
| 18   | JL BANDENGAN UTARA             | UTAMA | Tambr |  | 0,70 | 0,70 | 0,80 |  | 0,70 | 0,70 | 0,80 | 2.150,00 | Subsidy          | B/C | 0,50 |
| 19   | JL P. TURAGUS ANGKE            | UTAMA | Tambr |  | 0,70 | 0,70 | 1,20 | KALIMARA KARANG                                                                       |      |      |      | 1.900,00 | Failed / Subsidy | B/C | 0,60 |

|      |                             |       |       |  |      |      |      |  |  |      |      |      |          |                  |     |      |
|------|-----------------------------|-------|-------|--|------|------|------|--|--|------|------|------|----------|------------------|-----|------|
| 20   | JL JEMBATAN DUA             | UTAMA | Tambr |  | -    |      |      |  |  | 1,00 | 1,00 | 1,10 | 1.800,00 | Failed / Subsidy | B/C | 0,60 |
| 21   | JL KALIBESAR                | RAYA  | Tambr |  | 0,70 | 0,70 | 1,20 |  |  | 0,70 | 0,70 | 1,00 | 650,00   | Failed / Subsidy | B/C | 0,60 |
| 22   | JL PINTU BESAR SELATAN      | UTAMA | Tmsr  |  | 1,30 | 1,30 | 1,10 |  |  | 1,30 | 1,30 | 1,10 | 550,00   | Subsidy          | B/C | 0,60 |
| 23,1 | JL KH. MAS MANSYUR (TYPE-1) | UTAMA | Tambr |  | 1,10 | 1,10 | 1,50 |  |  | 1,10 | 1,10 | 1,50 | 400,00   | Failed / Subsidy | B/C | 0,40 |
| 23,2 | JL KH. MAS MANSYUR (TYPE-2) | UTAMA | Tambr |  | 1,10 | 1,10 | 1,50 |  |  | 0,90 | 0,90 | 0,90 | 500,00   | Failed / Subsidy | B/C | 0,40 |
| 23,3 | JL KH. MAS MANSYUR (TYPE-3) | UTAMA | Tambr |  | 1,10 | 1,10 | 1,50 |  |  | 1,00 | 1,00 | 1,25 | 400,00   | Failed / Subsidy | B/C | 0,30 |
| 24   | JL KEBONKACANG RAYA         | RAYA  | T.A   |  | 1,30 | 1,30 | 1,20 |  |  | 1,30 | 1,30 | 1,20 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 25   | JL JATIBARU                 | RAYA  | T.A   |  | 1,60 | 1,60 | 1,60 |  |  | 0,80 | 0,80 | 1,00 | 900,00   | Subsidy          | B/C | 0,40 |
| 26   | JL KEBONJAHE                | RAYA  | T.A   |  | 0,60 | 0,60 | 1,00 |  |  | 0,60 | 0,60 | 0,80 | 500,00   | Failed / Subsidy | B/C | 0,50 |
| 27   | JL RIDWAN RAIZ              | UTAMA | Gbr   |  | 1,20 | 1,20 | 1,20 |  |  | 1,20 | 1,20 | 1,20 | 400,00   | Failed / Subsidy | B/C | 0,60 |
| 28   | JL PASAR SENEN              | UTAMA | Gbr   |  | 1,35 | 1,35 | 1,50 |  |  | 1,35 | 1,35 | 1,50 | 1.250,00 | Subsidy          | B/C | 0,40 |
| 29   | JL TAMBAK                   | UTAMA | Mtng  |  | 1,00 | 1,00 | 1,10 |  |  | 1,00 | 1,00 | 1,10 | 600,00   | Subsidy          | B/C | 0,40 |
| 30   | JL PROKLAMASI               | UTAMA | Mtng  |  | 1,40 | 1,40 | 2,60 |  |  | 1,00 | 1,00 | 1,50 | 1.300,00 | Failed / Subsidy | B/C | 0,50 |

|      |                              |       |      |                                                                                     |      |      |      |                                                                                       |      |      |      |          |                  |     |      |
|------|------------------------------|-------|------|-------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|------------------|-----|------|
| 31   | JL PRAMUKA                   | UTAMA | Mtng |    | 1,40 | 1,40 | 1,25 |    | 1,40 | 1,20 | 1,25 | 2.600,00 | Failed / Subsidy | B/C | 0,30 |
| 32,1 | JL KH. ZAINULARIFIN (TYPE-1) | UTAMA | Gbr  |    | 0,60 | 0,60 | 0,60 |    | 0,60 | 0,60 | 0,60 | 350,00   | Failed / Subsidy | B/C | 0,30 |
| 32,2 | JL KH. ZAINULARIFIN (TYPE-2) | UTAMA | Gbr  |    | 0,60 | 0,60 | 0,60 |    | 1,00 | 0,60 | 1,20 | 350,00   | Failed / Subsidy | B/C | 0,30 |
| 32,3 | JL KH. ZAINULARIFIN (TYPE-3) | UTAMA | Gbr  |    | 1,00 | 0,70 | 1,20 | KALI KETAPANG                                                                         |      |      |      | 900,00   | Failed / Subsidy | B/C | 0,30 |
| 32,4 | JL KH. ZAINULARIFIN (TYPE-4) | UTAMA | Gbr  |    | 0,80 | 0,70 | 1,20 |    | 2,10 | 1,90 | 2,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 33   | JL BIAK                      | RAYA  | Gbr  |    | 1,00 | 1,00 | 1,00 |    | 1,00 | 1,00 | 1,00 | 650,00   | Subsidy          | B/C | 0,50 |
| 34   | JL KYAICARINGIN              | UTAMA | Gbr  |    | 0,80 | 0,80 | 0,85 |    | 0,80 | 0,80 | 0,85 | 700,00   | Subsidy          | B/C | 0,30 |
| 35   | JL BALIKPAPAN                | UTAMA | Gbr  |    | 1,00 | 1,00 | 1,00 |    | 1,00 | 1,00 | 1,00 | 450,00   | Subsidy          | B/C | 0,40 |
| 36   | JL SURYOPRANOTO              | UTAMA | Gbr  |    | 1,00 | 1,00 | 1,10 |    | 1,00 | 1,00 | 1,10 | 800,00   | Subsidy          | B/C | 0,30 |
| 37   | JL TANAHABANG                | RAYA  | T.A  |  | 1,00 | 1,00 | 1,00 |  | 1,00 | 1,00 | 0,90 | 1.000,00 | Subsidy          | B/C | 0,50 |
| 38   | JL ABDULMUIS                 | RAYA  | Gbr  | KALI CIDENG                                                                         |      |      |      |  | 1,00 | 1,00 | 1,00 | 1.550,00 | Failed / Subsidy | B/C | 0,40 |
| 39   | JL POS                       | RAYA  | Gbr  | KALI CILIWUNG GUNUNG SAHARI                                                         |      |      |      |  | 1,00 | 1,00 | 1,30 | 550,00   | Failed / Subsidy | B/C | 0,30 |
| 40   | JL DR. SOETOMO               | UTAMA | Gbr  | KALI CILIWUNG GUNUNG SAHARI                                                         |      |      |      |  | 1,00 | 1,00 | 1,00 | 550,00   | Failed / Subsidy | B/C | 0,30 |
| 41   | JL GUNUNG SAHARI             | UTAMA | S.B  | KALI CILIWUNG GUNUNG SAHARI                                                         |      |      |      |  | 1,00 | 1,00 | 1,00 | 4.750,00 | Failed / Subsidy | B/C | 0,30 |

|      |                                 |       |      |                          |      |      |      |                          |              |      |      |          |                  |     |      |
|------|---------------------------------|-------|------|--------------------------|------|------|------|--------------------------|--------------|------|------|----------|------------------|-----|------|
| 42,1 | JL MANGGA BESAR (TYPE-1)        | UTAMA | Tmsr | <input type="checkbox"/> | 0,70 | 0,70 | 0,90 | <input type="checkbox"/> | 1,00         | 1,00 | 1,00 | 400,00   | Subsidy          | B/C | 0,50 |
| 42,2 | JL MANGGA BESAR (TYPE-2)        | UTAMA | Tmsr | <input type="checkbox"/> | 1,00 | 1,00 | 0,80 | <input type="checkbox"/> | KALIKETAPANG |      |      | 250,00   | Subsidy          | B/C | 0,50 |
| 42,3 | JL MANGGA BESAR (TYPE-3)        | UTAMA | Tmsr | <input type="checkbox"/> | 1,00 | 1,00 | 1,20 | <input type="checkbox"/> | 1,00         | 1,00 | 1,20 | 1.550,00 | Subsidy          | B/C | 0,50 |
| 43   | JL MH. TAMRIN                   | UTAMA | Mtng | <input type="checkbox"/> | 1,50 | 1,50 | 1,50 | <input type="checkbox"/> | 1,50         | 1,50 | 1,50 | 600,00   | Failed / Subsidy | B/C | 0,30 |
| 44   | JL PANGERAN JAYAKAR-TA          | UTAMA | S.B  | <input type="checkbox"/> | 1,40 | 1,40 | 1,30 | <input type="checkbox"/> | 1,40         | 1,40 | 1,30 | 1.950,00 | Failed / Subsidy | B/C | 0,40 |
| 45   | JL DR. SURATMO                  | UTAMA | S.B  | <input type="checkbox"/> | 1,40 | 1,40 | 1,00 | <input type="checkbox"/> | 1,40         | 1,40 | 1,00 | 350,00   | Failed / Subsidy | B/C | 0,50 |
| 46   | JL PRAPATAN                     | UTAMA | Mtng | <input type="checkbox"/> | 1,40 | 1,40 | 1,00 | KALICILWUNG LAMA         |              |      |      | 1.100,00 | Failed / Subsidy | B/C | 0,20 |
| 47,1 | JL KWIANG (TYPE-1)              | UTAMA | Mtng | <input type="checkbox"/> | 0,70 | 0,70 | 0,80 | <input type="checkbox"/> | 1,00         | 1,00 | 0,90 | 300,00   | Subsidy          | B/C | 0,50 |
| 47,2 | JL KWIANG (TYPE-2)              | UTAMA | Mtng | <input type="checkbox"/> | 0,60 | 0,60 | 1,50 | <input type="checkbox"/> | 1,00         | 1,00 | 0,90 | 300,00   | Subsidy          | B/C | 0,50 |
| 47,3 | JL KWIANG (TYPE-3)              | UTAMA | Mtng | <input type="checkbox"/> | 0,70 | 0,70 | 1,20 | <input type="checkbox"/> | 1,00         | 1,00 | 0,90 | 650,00   | Subsidy          | B/C | 0,50 |
| 48   | JL KRAMAT RAYA                  | UTAMA | S.B  | <input type="checkbox"/> | 1,10 | 1,10 | 1,20 | <input type="checkbox"/> | 1,10         | 1,10 | 1,20 | 900,00   | Failed / Subsidy | B/C | 0,40 |
| 49   | JL SALEMBA RAYA                 | UTAMA | S.B  | <input type="checkbox"/> | 1,00 | 1,00 | 1,50 | <input type="checkbox"/> | 1,10         | 1,10 | 1,20 | 1.450,00 | Failed / Subsidy | B/C | 0,40 |
| 50,1 | JL PANGERAN DIPONEGORO (TYPE-1) | UTAMA | Mtng | <input type="checkbox"/> | 1,10 | 1,10 | 1,10 | <input type="checkbox"/> | 1,10         | 1,10 | 1,10 | 350,00   | Subsidy          | B/C | 0,50 |
| 50,2 | JL PANGERAN DIPONEGORO (TYPE-2) | UTAMA | Mtng | -                        |      |      |      | <input type="checkbox"/> | 1,10         | 1,10 | 1,20 | 450,00   | Subsidy          | B/C | 0,50 |

|      |                                      |       |      |                                                                                     |      |      |      |                                                                                       |      |      |      |          |                     |     |      |
|------|--------------------------------------|-------|------|-------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|---------------------|-----|------|
| 50,3 | JL PANGERAN DIPONE-<br>GORO (TYPE-3) | UTAMA | Mtng |    | 1,10 | 1,10 | 1,10 |    | 1,00 | 1,00 | 1,20 | 650,00   | Subsidy             | B/C | 0,50 |
| 50,4 | JL PANGERAN DIPONE-<br>GORO (TYPE-4) | UTAMA | Mtng |    | 0,40 | 0,40 | 0,70 |    | 0,40 | 0,40 | 0,70 | 800,00   | Subsidy             | B/C | 0,50 |
| 51   | JL TEUKU CIKDI TIRO                  | RAYA  | Mtng |    | 1,10 | 1,10 | 1,20 |    | 1,10 | 1,10 | 1,20 | 1.350,00 | Subsidy             | B/C | 0,40 |
| 52   | JL RP. SOEROSO                       | RAYA  | Mtng |    | 1,10 | 1,10 | 1,50 |    | 1,10 | 1,10 | 1,50 | 800,00   | Failed /<br>Subsidy | B/C | 0,30 |
| 53   | JL MENTENG RAYA                      | UTAMA | Mtng |    | 1,10 | 1,10 | 1,20 |    | 1,10 | 1,10 | 1,00 | 650,00   | Failed /<br>Subsidy | B/C | 0,40 |
| 54   | JL KEBON SIRIH                       | UTAMA | Mtng |    | 1,10 | 1,10 | 1,10 |    | 1,10 | 1,10 | 1,10 | 1.850,00 | Failed /<br>Subsidy | B/C | 0,50 |
| 55   | JL CEMARA                            | RAYA  | Mtng |    | 1,10 | 1,10 | 2,00 |    | 1,10 | 1,10 | 2,00 | 400,00   | Failed /<br>Subsidy | B/C | 0,30 |
| 56   | JL CUT MEUTIA                        | RAYA  | Mtng |    | 1,20 | 1,20 | 1,20 |    | 1,10 | 1,10 | 0,90 | 450,00   | Failed /<br>Subsidy | B/C | 0,20 |
| 57,1 | JL TEUKU UMAR (TYPE-1)               | UTAMA | Mtng |    | 0,80 | 0,80 | 1,70 |    | 0,80 | 0,80 | 1,70 | 400,00   | Subsidy             | B/C | 0,30 |
| 57,2 | JL TEUKU UMAR (TYPE-2)               | UTAMA | Mtng |   | 1,00 | 1,00 | 1,20 |   | 1,00 | 1,00 | 1,20 | 850,00   | Subsidy             | B/C | 0,30 |
| 58   | JL SUNDA KELAPA                      | RAYA  | Mtng |  | 1,10 | 1,10 | 1,00 |  | 1,10 | 1,10 | 1,00 | 650,00   | Subsidy             | B/C | 0,50 |
| 59,1 | JL LATU HARHARY (TYPE-<br>1)         | RAYA  | Mtng |  | 1,10 | 1,10 | 1,00 |  | 0,70 | 0,70 | 1,30 | 600,00   | Subsidy             | B/C | 0,50 |

|      |                          |       |      |                                                                                   |      |      |      |                                                                                     |            |      |      |           |                  |     |      |
|------|--------------------------|-------|------|-----------------------------------------------------------------------------------|------|------|------|-------------------------------------------------------------------------------------|------------|------|------|-----------|------------------|-----|------|
| 59,2 | JL LATUHHARHARY (TYPE-2) | RAYA  | Mtng |  | 1,00 | 1,00 | 0,80 |  | 0,70       | 0,70 | 1,60 | 1.000,00  | Failed / Subsidy | B/C | 0,40 |
| 60   | JL T. IMAMBONJOL         | UTAMA | Mtng |  | 1,20 | 1,20 | 1,20 |  | 1,20       | 1,20 | 1,20 | 1.300,00  | Failed / Subsidy | B/C | 0,30 |
| 61   | JL COKROAMINOTO          | UTAMA | Mtng |  | 1,00 | 1,00 | 0,90 |  | 1,00       | 1,00 | 0,90 | 1.950,00  | Failed / Subsidy | B/C | 0,50 |
| 62,1 | JL WAHID HASYIM (TYPE-1) | RAYA  | Mtng |  | 2,00 | 2,00 | 1,20 |  | 2,00       | 2,00 | 1,20 | 1.000,00  | Subsidy          | B/C | 0,30 |
| 62,2 | JL WAHID HASYIM (TYPE-2) | RAYA  | Mtng |  | 2,00 | 2,00 | 1,20 |  | 1,50       | 1,50 | 1,60 | 1.300,00  | Subsidy          | B/C | 0,30 |
| 63,1 | JL MANGGA DUA (TYPE-1)   | UTAMA | S.B  |  | 1,50 | 1,50 | 1,20 |  | 1,50       | 1,50 | 1,20 | 600,00    | Subsidy          | B/C | 0,70 |
| 63,2 | JL MANGGA DUA (TYPE-1)   | UTAMA | S.B  |  | 2,50 | 2,10 | 1,50 |  | 2,50       | 2,10 | 1,50 | 1.500,00  | Subsidy          | B/C | 0,70 |
| 64   | JL RE MARTADINATA        | RAYA  | Pdmg |  | 1,50 | 1,50 | 1,50 |  | KANALANCOL |      |      | 1.500,00  | Failed / Subsidy | B/C | 0,50 |
| 65   | JL PAKINTO MARTADINATA   | RAYA  | Pdmg | KALIKRUKUT                                                                        |      |      |      |  | 1,00       | 1,00 | 1,50 | 2.150,00  | Failed / Subsidy | B/C | 0,40 |
|      | TOTAL                    |       |      |                                                                                   |      |      |      |                                                                                     |            |      |      | 89.450,00 |                  |     |      |

## LIST OF MAIN ROAD

| No. | Name Of Road         | Kecamatan | Structure                                                                           |              |                 |        |                                                                                       |              |                 |        |          | Condition                    |             | Remark*) |
|-----|----------------------|-----------|-------------------------------------------------------------------------------------|--------------|-----------------|--------|---------------------------------------------------------------------------------------|--------------|-----------------|--------|----------|------------------------------|-------------|----------|
|     |                      |           | Left                                                                                |              |                 |        | Right                                                                                 |              |                 |        | L(m)     | Clogged<br>Failed<br>Subsidy | A<br>B<br>C |          |
|     |                      |           | Type                                                                                | Width<br>Top | Width<br>Bottom | Height | Type                                                                                  | Width<br>Top | Width<br>Bottom | Height |          |                              |             |          |
| 1   | JL SOEDIRMAN         | Mfng      |    | 1,50         | 1,50            | 1,00   |    | 1,50         | 1,50            | 1,00   | 800,00   | Subsidy                      | B/C         | 0,80     |
| 2   | JL MERDEKA BARAT     | Gbr       |    | 0,70         | 0,70            | 1,20   |    | 0,70         | 0,70            | 1,20   | 1.050,00 | Subsidy                      | B/C         | 0,80     |
| 3   | JL MERDEKA SELATAN   | Gbr       |    | 0,70         | 0,70            | 1,20   |    | 0,75         | 0,75            | 0,70   | 1.050,00 | Subsidy                      | B/C         | 0,70     |
| 4   | JL MERDEKA TIMUR     | Gbr       |    | 0,70         | 0,70            | 1,20   |    | 0,70         | 0,70            | 1,20   | 900,00   | Subsidy                      | B/C         | 0,80     |
| 5   | JL MERDEKA UTARA     | Gbr       |    | 0,70         | 0,70            | 1,20   |    | 0,70         | 0,70            | 1,20   | 950,00   | Subsidy                      | B/C         | 0,60     |
| 6   | JL MAJAPAHIT         | Gbr       |    | 0,70         | 0,70            | 1,00   | -                                                                                     |              |                 |        | 550,00   | Subsidy                      | B/C         | 0,50     |
| 7   | JL HAYAM WURUK       | Tmsr      |   | 0,70         | 0,70            | 1,20   | KALI CILIWUNG GAJAH MADA                                                              |              |                 |        | 2.800,00 | Failed /<br>Subsidy          | B/C         | 0,70     |
| 8   | JL GAJAHMADA         | Tmsr      | KALI CILIWUNG GAJAH MADA                                                            |              |                 |        |  | 0,70         | 0,70            | 1,20   | 2.850,00 | Failed /<br>Subsidy          | B/C         | 0,60     |
| 9   | JL JUANDA            | Gbr       | KALI CILIWUNG GUNUNG SAHARI                                                         |              |                 |        |  | 0,90         | 0,90            | 1,20   | 1.100,00 | Failed /<br>Subsidy          | B/C         | 0,70     |
| 10  | JL KH. HASYIM ASHARI | Gbr       |  | 1,00         | 1,00            | 1,50   |  | 1,00         | 1,00            | 1,50   | 2.000,00 | Failed /<br>Subsidy          | B/C         | 0,80     |
| 11  | JL CIDENG TIMUR      | Gbr       |  | 0,90         | 0,90            | 1,20   | KALI CIDENG                                                                           |              |                 |        | 2.400,00 | Failed /<br>Subsidy          | B/C         | 0,80     |

|      |                                 |       |                                                                                     |      |      |      |                                                                                       |      |      |      |          |                  |     |      |
|------|---------------------------------|-------|-------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|------------------|-----|------|
| 12   | JL. CIDENG BARAT                | Gbr   | KALICIDENG                                                                          |      |      |      |    | 0,90 | 0,90 | 1,20 | 2.400,00 | Failed / Subsidy | B/C | 0,70 |
| 13,1 | JL. PLUIT SELATAN RAYA (TYPE-1) | Penjr |    | 0,75 | 0,75 | 1,10 |    | 0,75 | 0,75 | 1,10 | 950,00   | Failed / Subsidy | B/C | 0,60 |
| 13,2 | JL. PLUIT SELATAN RAYA (TYPE-2) | Penjr |    | 1,00 | 0,80 | 1,20 |    | 1,50 | 1,50 | 1,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 13,3 | JL. PLUIT SELATAN RAYA (TYPE-3) | Penjr |    | 1,00 | 0,80 | 1,20 |    | 1,50 | 1,50 | 1,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 14,1 | JL. PLUIT TIMUR RAYA (TYPE-1)   | Penjr |    | 1,00 | 1,00 | 1,10 |    | 2,20 | 2,00 | 1,10 | 500,00   | Failed / Subsidy | B/C | 0,40 |
| 14,2 | JL. PLUIT TIMUR RAYA (TYPE-2)   | Penjr | -                                                                                   |      |      |      |    | 2,50 | 2,30 | 1,30 | 500,00   | Subsidy          | B/C | 0,40 |
| 14,3 | JL. PLUIT TIMUR RAYA (TYPE-3)   | Penjr |    | 1,30 | 1,10 | 1,10 |    | 2,50 | 2,30 | 1,50 | 400,00   | Subsidy          | B/C | 0,30 |
| 17   | JL. JEMBATAN TIGA               | Tambr |    | 0,70 | 0,70 | 0,80 |    | 5,00 | 5,00 | 2,00 | 1.200,00 | Subsidy          | B/C | 0,50 |
| 18   | JL. BANDENGAN UTARA             | Tambr |    | 0,70 | 0,70 | 0,80 |    | 0,70 | 0,70 | 0,80 | 2.150,00 | Subsidy          | B/C | 0,50 |
| 19   | JL. P. TUBAGUS ANGKE            | Tambr |   | 0,70 | 0,70 | 1,20 | KALIMUARA KARANG                                                                      |      |      |      | 1.900,00 | Failed / Subsidy | B/C | 0,60 |
| 20   | JL. JEMBATAN DUA                | Tambr | -                                                                                   |      |      |      |  | 1,00 | 1,00 | 1,10 | 1.800,00 | Failed / Subsidy | B/C | 0,60 |
| 22   | JL. PINTU BESAR SELATAN         | Tmsr  |  | 1,30 | 1,30 | 1,10 |  | 1,30 | 1,30 | 1,10 | 550,00   | Subsidy          | B/C | 0,60 |
| 23,1 | JL. KH. MAS MANSYUR (TYPE-1)    | Tambr |  | 1,10 | 1,10 | 1,50 |  | 1,10 | 1,10 | 1,50 | 400,00   | Failed / Subsidy | B/C | 0,40 |
| 23,2 | JL. KH. MAS MANSYUR (TYPE-2)    | Tambr |  | 1,10 | 1,10 | 1,50 |  | 0,90 | 0,90 | 0,90 | 500,00   | Failed / Subsidy | B/C | 0,40 |

|      |                              |       |                                                                                   |      |      |      |                                                                                       |      |      |      |          |                  |     |      |
|------|------------------------------|-------|-----------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|------------------|-----|------|
| 23,3 | JL KH. MAS MANSYUR (TYPE-3)  | Tambr |  | 1,10 | 1,10 | 1,50 |    | 1,00 | 1,00 | 1,25 | 400,00   | Failed / Subsidy | B/C | 0,30 |
| 27   | JL RIDWAN RAIZ               | Gbr   |  | 1,20 | 1,20 | 1,20 |    | 1,20 | 1,20 | 1,20 | 400,00   | Failed / Subsidy | B/C | 0,60 |
| 28   | JL PASAR SENEN               | Gbr   |  | 1,35 | 1,35 | 1,50 |    | 1,35 | 1,35 | 1,50 | 1.250,00 | Subsidy          | B/C | 0,40 |
| 29   | JL TAMBAK                    | Mtng  |  | 1,00 | 1,00 | 1,10 |    | 1,00 | 1,00 | 1,10 | 600,00   | Subsidy          | B/C | 0,40 |
| 30   | JL PROKLAMASI                | Mtng  |  | 1,40 | 1,40 | 2,60 |    | 1,00 | 1,00 | 1,50 | 1.300,00 | Failed / Subsidy | B/C | 0,50 |
| 31   | JL PRAMUKA                   | Mtng  |  | 1,40 | 1,40 | 1,25 |    | 1,40 | 1,20 | 1,25 | 2.600,00 | Failed / Subsidy | B/C | 0,30 |
| 32,1 | JL KH. ZAINULARIFIN (TYPE-1) | Gbr   |  | 0,60 | 0,60 | 0,60 |    | 0,60 | 0,60 | 0,60 | 350,00   | Failed / Subsidy | B/C | 0,30 |
| 32,2 | JL KH. ZAINULARIFIN (TYPE-2) | Gbr   |  | 0,60 | 0,60 | 0,60 |    | 1,00 | 0,60 | 1,20 | 350,00   | Failed / Subsidy | B/C | 0,30 |
| 32,3 | JL KH. ZAINULARIFIN (TYPE-3) | Gbr   |                                                                                   | 1,00 | 0,70 | 1,20 | KALIKETAPANG                                                                          |      |      |      | 900,00   | Failed / Subsidy | B/C | 0,30 |
| 32,4 | JL KH. ZAINULARIFIN (TYPE-4) | Gbr   |                                                                                   | 0,80 | 0,70 | 1,20 |   | 2,10 | 1,90 | 2,10 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 34   | JL KYAICARINGIN              | Gbr   |                                                                                   | 0,80 | 0,80 | 0,85 |  | 0,80 | 0,80 | 0,85 | 700,00   | Subsidy          | B/C | 0,30 |
| 35   | JL BALIKPAPAN                | Gbr   |                                                                                   | 1,00 | 1,00 | 1,00 |  | 1,00 | 1,00 | 1,00 | 450,00   | Subsidy          | B/C | 0,40 |
| 36   | JL SURYOPRANOTO              | Gbr   |                                                                                   | 1,00 | 1,00 | 1,10 |  | 1,00 | 1,00 | 1,10 | 800,00   | Subsidy          | B/C | 0,30 |
| 40   | JL DR. SOETOMO               | Gbr   | KALI CILWUNG GUNUNG SAHARI                                                        |      |      |      |  | 1,00 | 1,00 | 1,00 | 550,00   | Failed / Subsidy | B/C | 0,30 |

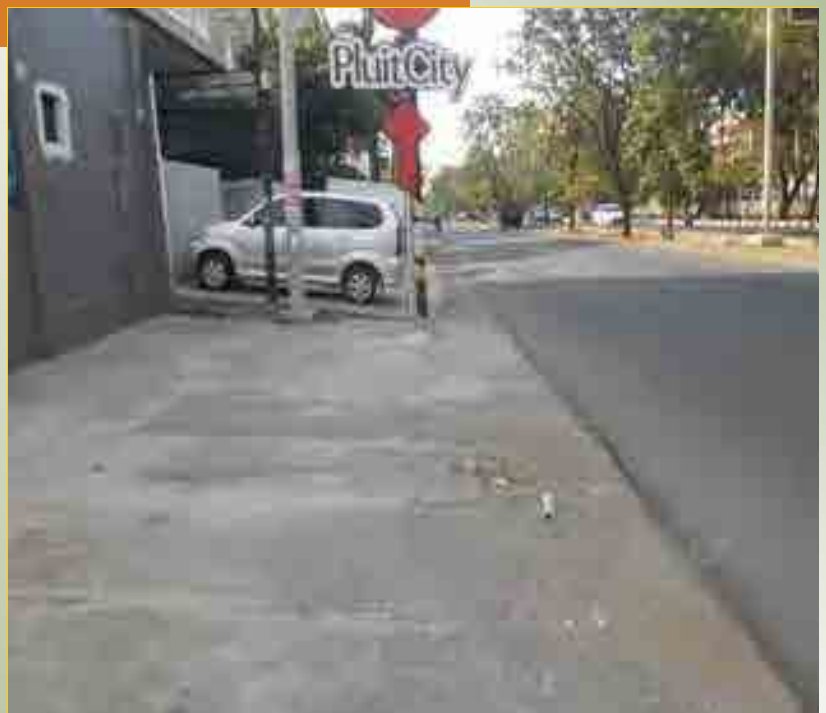
|      |                          |      |                             |      |      |      |                          |      |      |      |          |                  |     |      |
|------|--------------------------|------|-----------------------------|------|------|------|--------------------------|------|------|------|----------|------------------|-----|------|
| 41   | JL GUNUNG SAHARI         | S.B  | KALI CILIWUNG GUNUNG SAHARI |      |      |      | <input type="checkbox"/> | 1,00 | 1,00 | 1,00 | 4.750,00 | Failed / Subsidy | B/C | 0,30 |
| 42,1 | JL MANGGA BESAR (TYPE-1) | Tmsr | <input type="checkbox"/>    | 0,70 | 0,70 | 0,90 | <input type="checkbox"/> | 1,00 | 1,00 | 1,00 | 400,00   | Subsidy          | B/C | 0,50 |
| 42,2 | JL MANGGA BESAR (TYPE-2) | Tmsr | <input type="checkbox"/>    | 1,00 | 1,00 | 0,80 | KALI KETAPANG            |      |      |      | 250,00   | Subsidy          | B/C | 0,50 |
| 42,3 | JL MANGGA BESAR (TYPE-3) | Tmsr | <input type="checkbox"/>    | 1,00 | 1,00 | 1,20 | <input type="checkbox"/> | 1,00 | 1,00 | 1,20 | 1.550,00 | Subsidy          | B/C | 0,50 |
| 43   | JL MH. TAMRIN            | Mtng | <input type="checkbox"/>    | 1,50 | 1,50 | 1,50 | <input type="checkbox"/> | 1,50 | 1,50 | 1,50 | 600,00   | Failed / Subsidy | B/C | 0,30 |
| 44   | JL PANGERAN JAYAKARTA    | S.B  | <input type="checkbox"/>    | 1,40 | 1,40 | 1,30 | <input type="checkbox"/> | 1,40 | 1,40 | 1,30 | 1.950,00 | Failed / Subsidy | B/C | 0,40 |
| 45   | JL DR. SURATMO           | S.B  | <input type="checkbox"/>    | 1,40 | 1,40 | 1,00 | <input type="checkbox"/> | 1,40 | 1,40 | 1,00 | 350,00   | Failed / Subsidy | B/C | 0,50 |
| 46   | JL PRAPATAN              | Mtng | <input type="checkbox"/>    | 1,40 | 1,40 | 1,00 | KALI CILIWUNG LAMA       |      |      |      | 1.100,00 | Failed / Subsidy | B/C | 0,20 |
| 47,1 | JL KWITANG (TYPE-1)      | Mtng | <input type="checkbox"/>    | 0,70 | 0,70 | 0,80 | <input type="checkbox"/> | 1,00 | 1,00 | 0,90 | 300,00   | Subsidy          | B/C | 0,50 |
| 47,2 | JL KWITANG (TYPE-2)      | Mtng | <input type="checkbox"/>    | 0,60 | 0,60 | 1,50 | <input type="checkbox"/> | 1,00 | 1,00 | 0,90 | 300,00   | Subsidy          | B/C | 0,50 |
| 47,3 | JL KWITANG (TYPE-3)      | Mtng | <input type="checkbox"/>    | 0,70 | 0,70 | 1,20 | <input type="checkbox"/> | 1,00 | 1,00 | 0,90 | 650,00   | Subsidy          | B/C | 0,50 |
| 48   | JL KRAMAT RAYA           | S.B  | <input type="checkbox"/>    | 1,10 | 1,10 | 1,20 | <input type="checkbox"/> | 1,10 | 1,10 | 1,20 | 900,00   | Failed / Subsidy | B/C | 0,40 |
| 49   | JL SALEMBA RAYA          | S.B  | <input type="checkbox"/>    | 1,00 | 1,00 | 1,50 | <input type="checkbox"/> | 1,10 | 1,10 | 1,20 | 1.450,00 | Failed / Subsidy | B/C | 0,40 |

|      |                                     |      |                                                                                     |      |      |      |                                                                                       |      |      |      |          |                     |     |      |
|------|-------------------------------------|------|-------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|---------------------|-----|------|
| 50,1 | JL. PANGERAN<br>DIPONEGORO (TYPE-1) | Mtng |    | 1,10 | 1,10 | 1,10 |    | 1,10 | 1,10 | 1,10 | 350,00   | Subsidy             | B/C | 0,50 |
| 50,2 | JL. PANGERAN<br>DIPONEGORO (TYPE-2) | Mtng | -                                                                                   |      |      |      |    | 1,10 | 1,10 | 1,20 | 450,00   | Subsidy             | B/C | 0,50 |
| 50,3 | JL. PANGERAN<br>DIPONEGORO (TYPE-3) | Mtng |    | 1,10 | 1,10 | 1,10 |    | 1,00 | 1,00 | 1,20 | 650,00   | Subsidy             | B/C | 0,50 |
| 50,4 | JL. PANGERAN<br>DIPONEGORO (TYPE-4) | Mtng |    | 0,40 | 0,40 | 0,70 |    | 0,40 | 0,40 | 0,70 | 800,00   | Subsidy             | B/C | 0,50 |
| 53   | JL. MENTENG RAYA                    | Mtng |    | 1,10 | 1,10 | 1,20 |    | 1,10 | 1,10 | 1,00 | 650,00   | Failed /<br>Subsidy | B/C | 0,40 |
| 54   | JL. KEBONSIRIH                      | Mtng |    | 1,10 | 1,10 | 1,10 |    | 1,10 | 1,10 | 1,10 | 1.850,00 | Failed /<br>Subsidy | B/C | 0,50 |
| 57,1 | JL. TEUKUUMAR<br>(TYPE-1)           | Mtng |    | 0,80 | 0,80 | 1,70 |    | 0,80 | 0,80 | 1,70 | 400,00   | Subsidy             | B/C | 0,30 |
| 57,2 | JL. TEUKUUMAR<br>(TYPE-2)           | Mtng |    | 1,00 | 1,00 | 1,20 |    | 1,00 | 1,00 | 1,20 | 850,00   | Subsidy             | B/C | 0,30 |
| 60   | JL. T. IMAMBONJOL                   | Mtng |    | 1,20 | 1,20 | 1,20 |    | 1,20 | 1,20 | 1,20 | 1.300,00 | Failed /<br>Subsidy | B/C | 0,30 |
| 61   | JL. COKROAMINOTO                    | Mtng |   | 1,00 | 1,00 | 0,90 |   | 1,00 | 1,00 | 0,90 | 1.950,00 | Failed /<br>Subsidy | B/C | 0,50 |
| 63,1 | JL. MANGGADUA<br>(TYPE-1)           | S.B  |  | 1,50 | 1,50 | 1,20 |  | 1,50 | 1,50 | 1,20 | 600,00   | Subsidy             | B/C | 0,70 |
| 63,2 | JL. MANGGADUA<br>(TYPE-1)           | S.B  |  | 2,50 | 2,10 | 1,50 |  | 2,50 | 2,10 | 1,50 | 1.500,00 | Subsidy             | B/C | 0,70 |

NOTE :\*) water depth

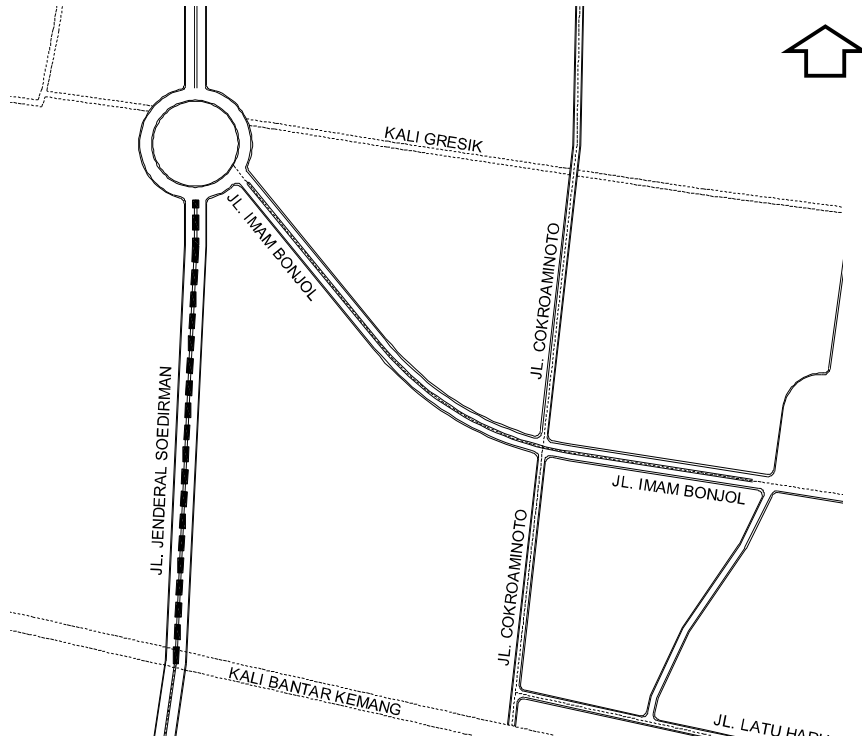
Pdmg : Pademangan  
 Tmsr : Taman Sari  
 S.B : Sawah Besar  
 TA : Tanah Abang  
 Mtng : Menteng  
 Tambr : Tambora  
 Gbr : Gambir  
 Penjr : Penjaringan

## DATA BASE SURVEY ROAD AREA DETAIL DATA OF EACH MAIN ROAD (JALAN UTAMA)

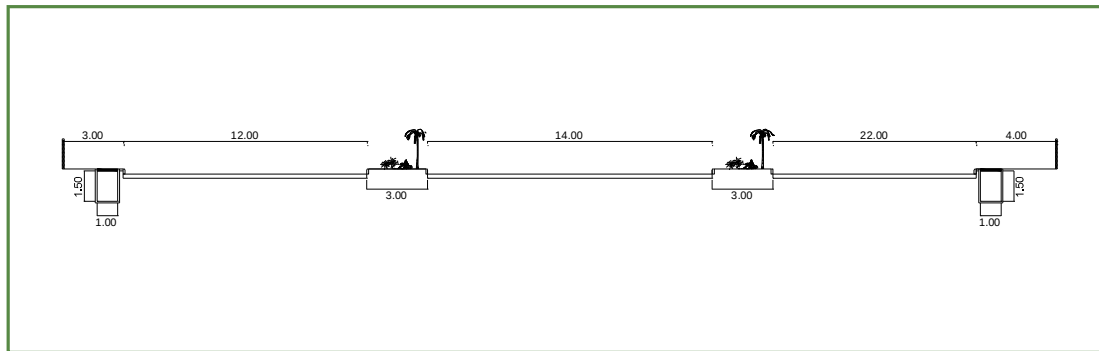


## 01. DETAIL OF JL. JENDERAL SUDIRMAN

### LAYOUT



### SKETCH

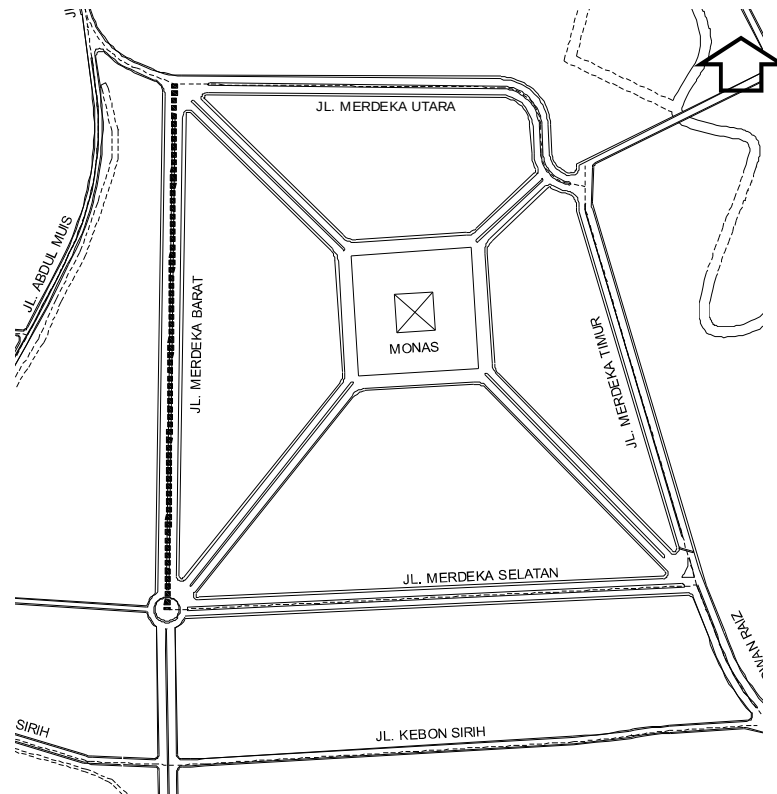


### FOTO

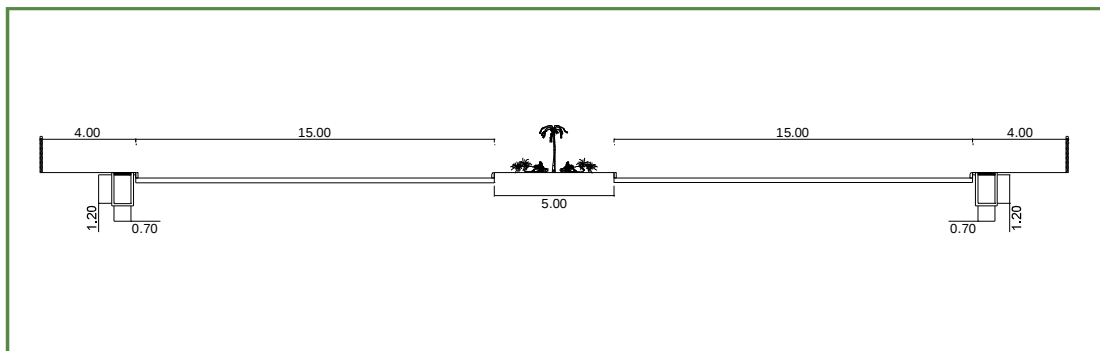


## 02. DETAIL OF JL. MERDEKA BARAT

### LAYOUT



### SKETCH

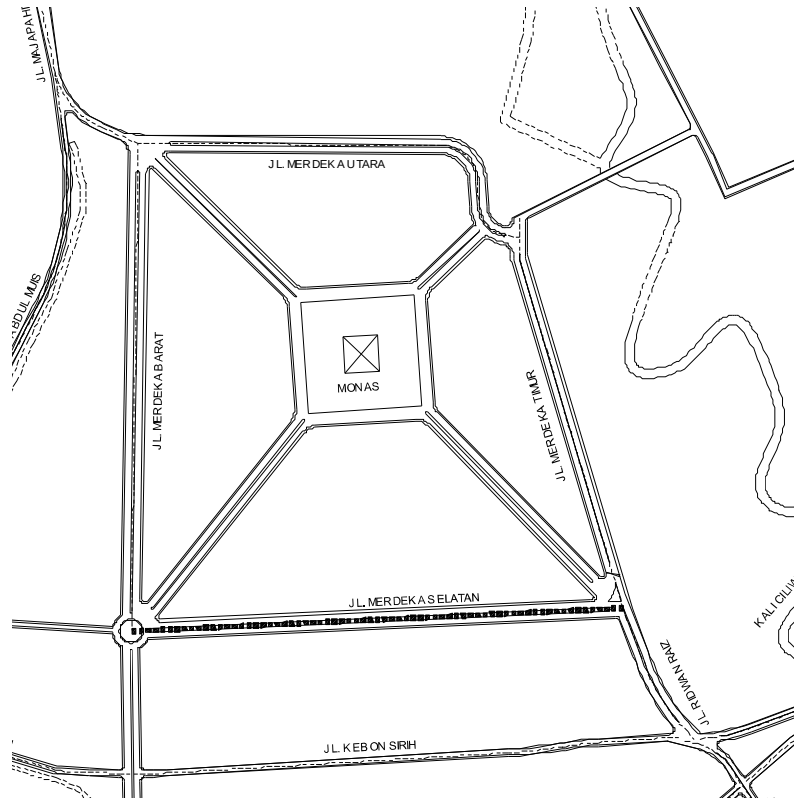


### FOTO

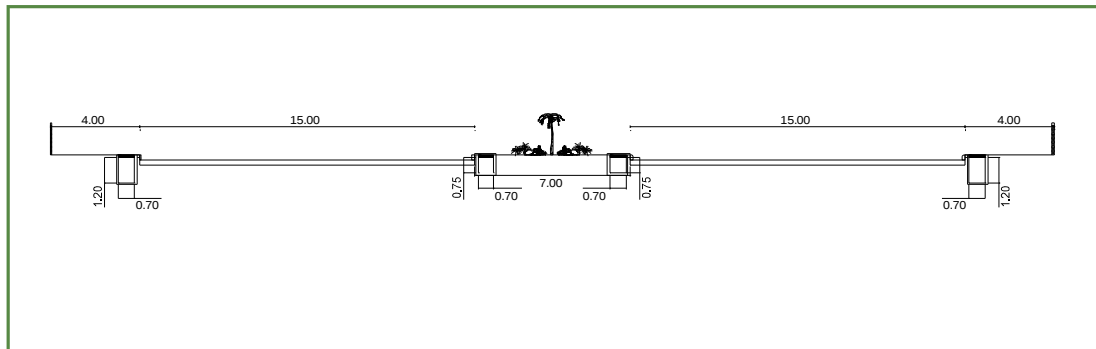


### 03. DETAIL OF JL MERDEKA SELATAN

#### LAYOUT



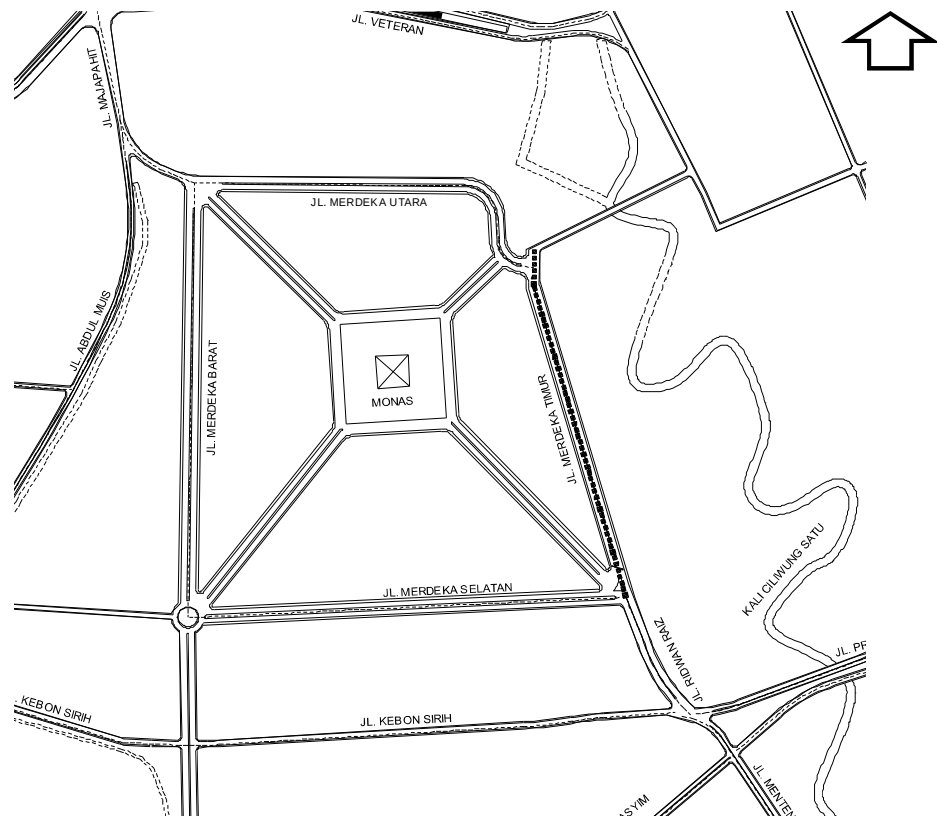
#### SKETCH



#### FOTO



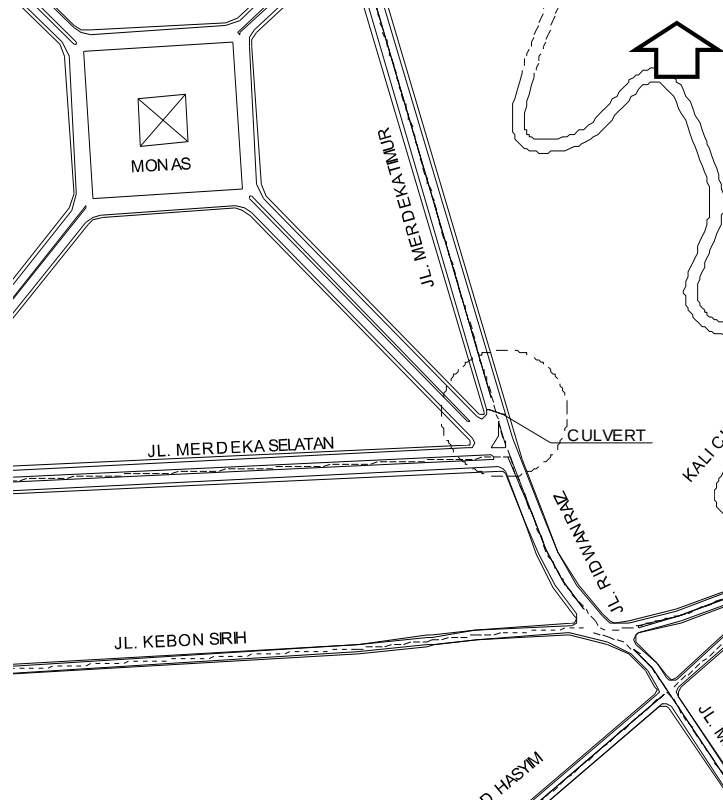
## LAYOUT



Technical drawing of a beam with dimensions: 4.00, 15.00, 15.00, 4.00. Section details show dimensions 1.20, 0.70, and 1.00.

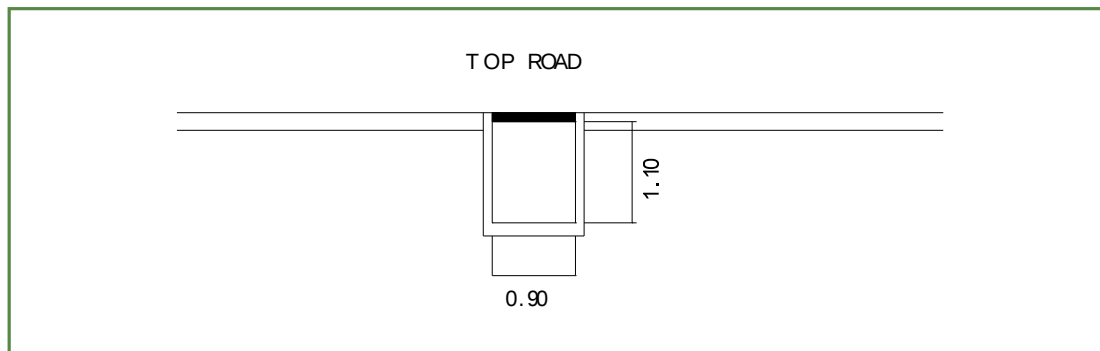
#### 04-1. DETAIL OF CULVERT IN JL. MERDEKA TIMUR

##### LAYOUT



Position :  
 X= 702708.926  
 Y= 9316605.210

##### SKETCH

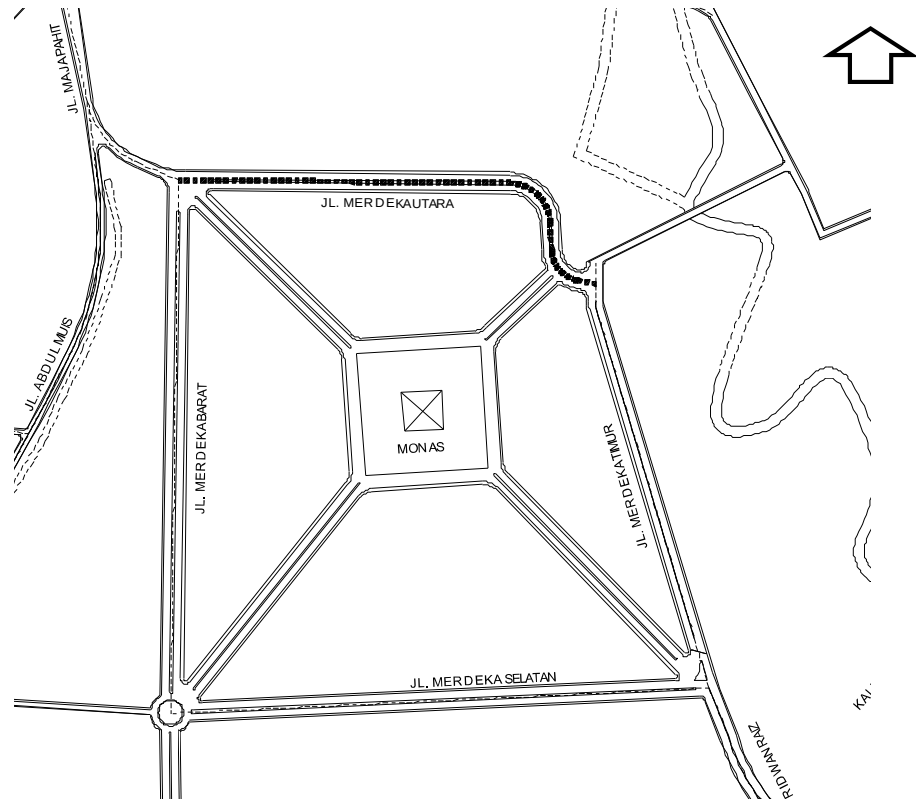


##### FOTO

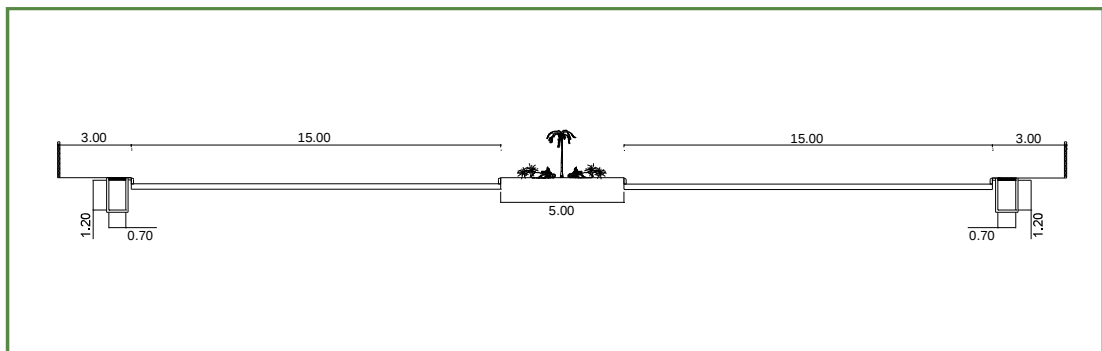


## 05. DETAIL OF JL. MERDEKA UTARA

LAYOUT



SKETCH

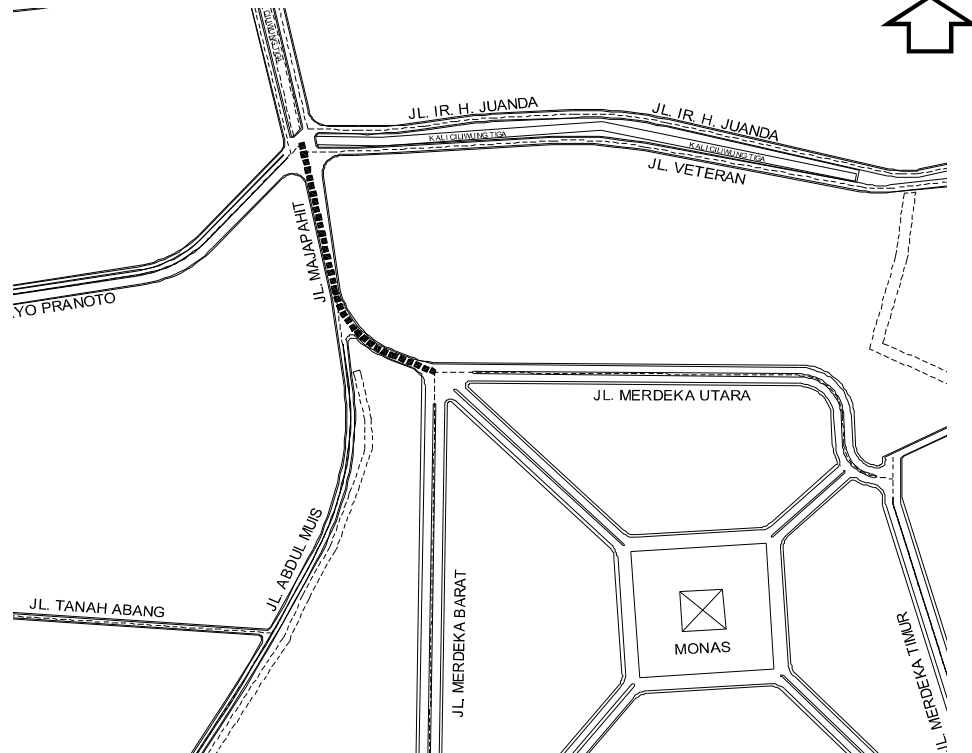


FOTO

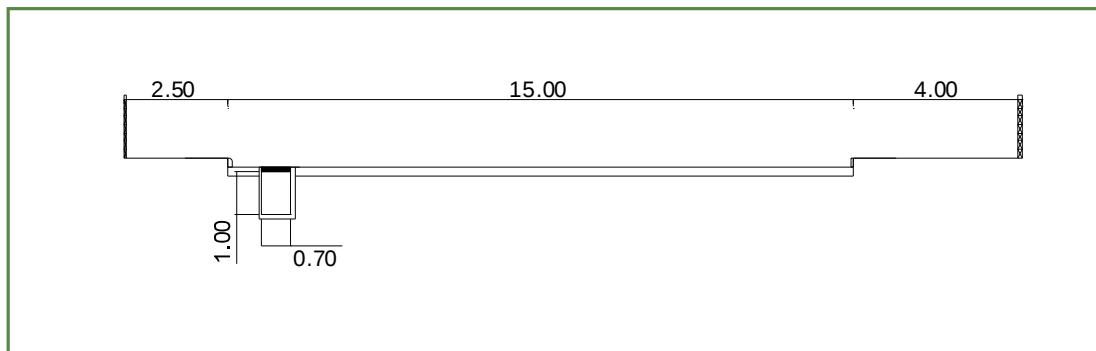


## 06. DETAIL OF JL MAJAPAHIT

## LAYOUT



## SKETCH

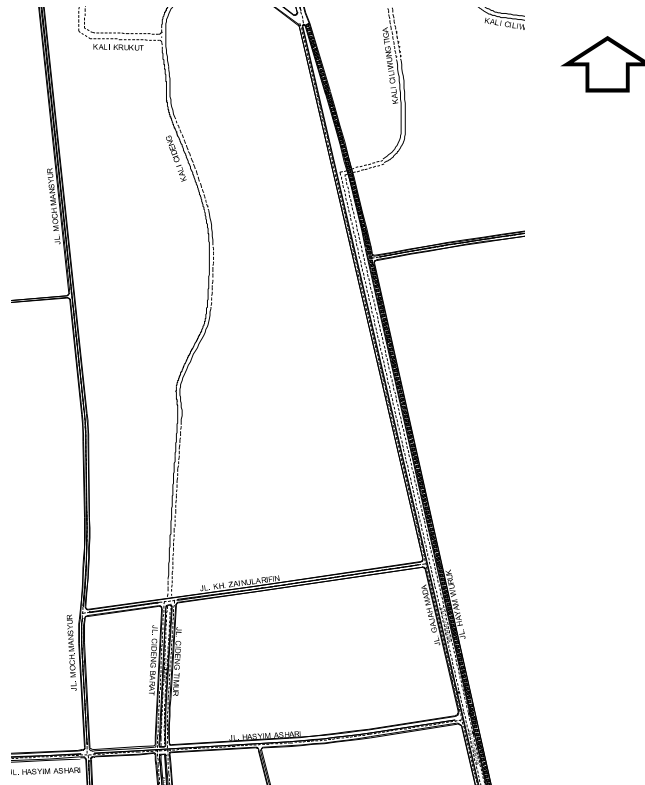


## FOTO

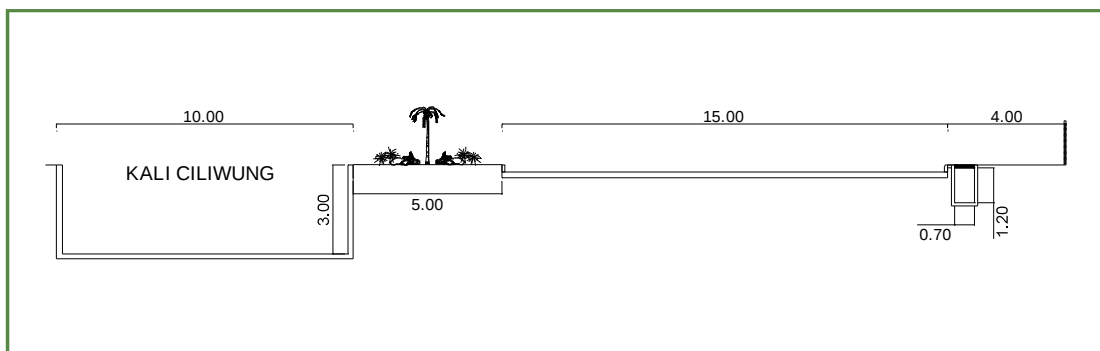


## 07. DETAIL OF JL. HAYAM WURUK

### LAYOUT



### SKETCH

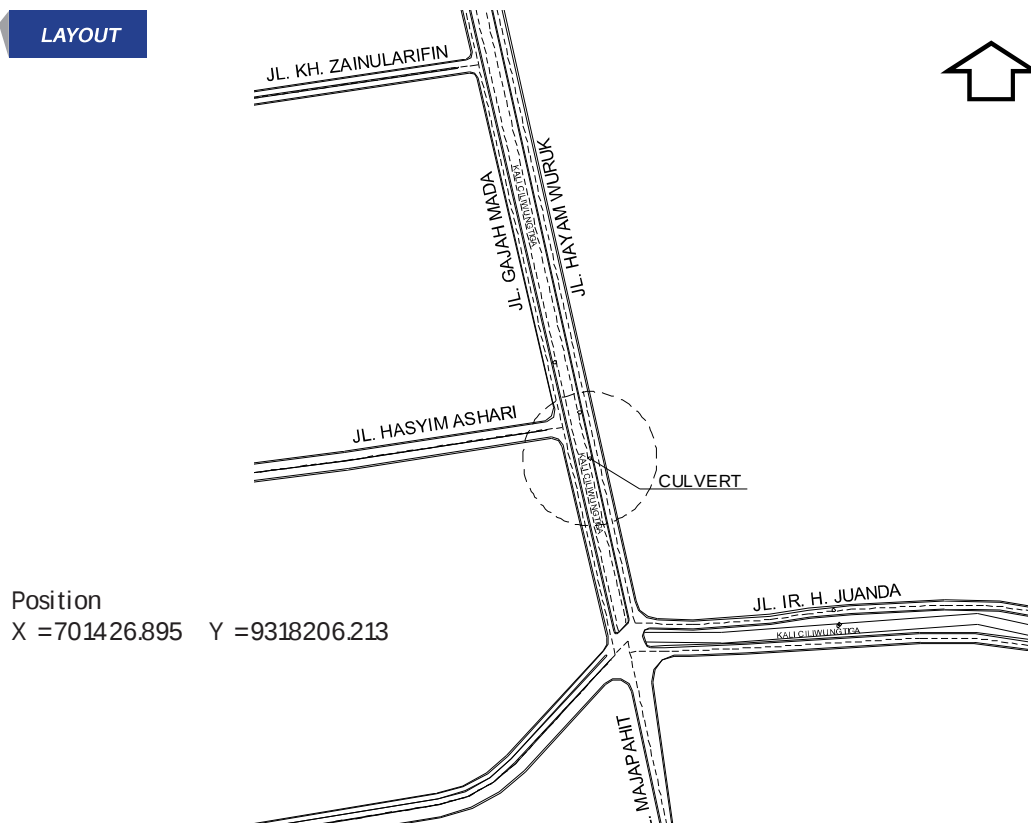


### FOTO

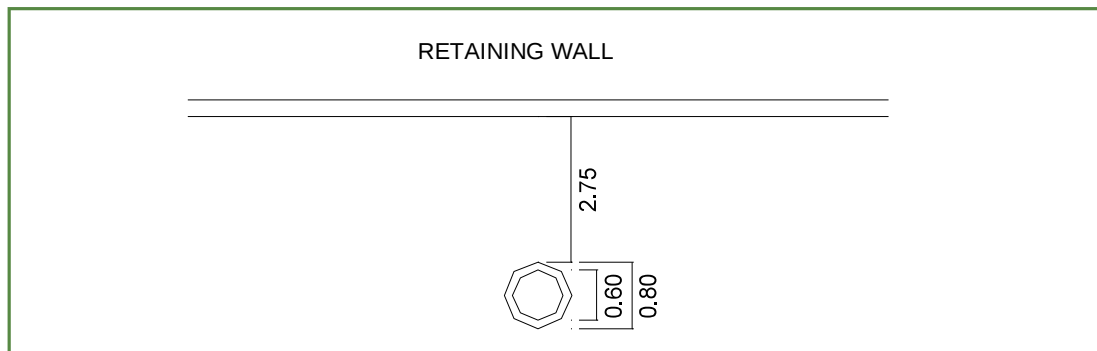


# 07-1. DETAIL CULVERT IN JL. HAYAM WURUK

## LAYOUT



## SKETCH

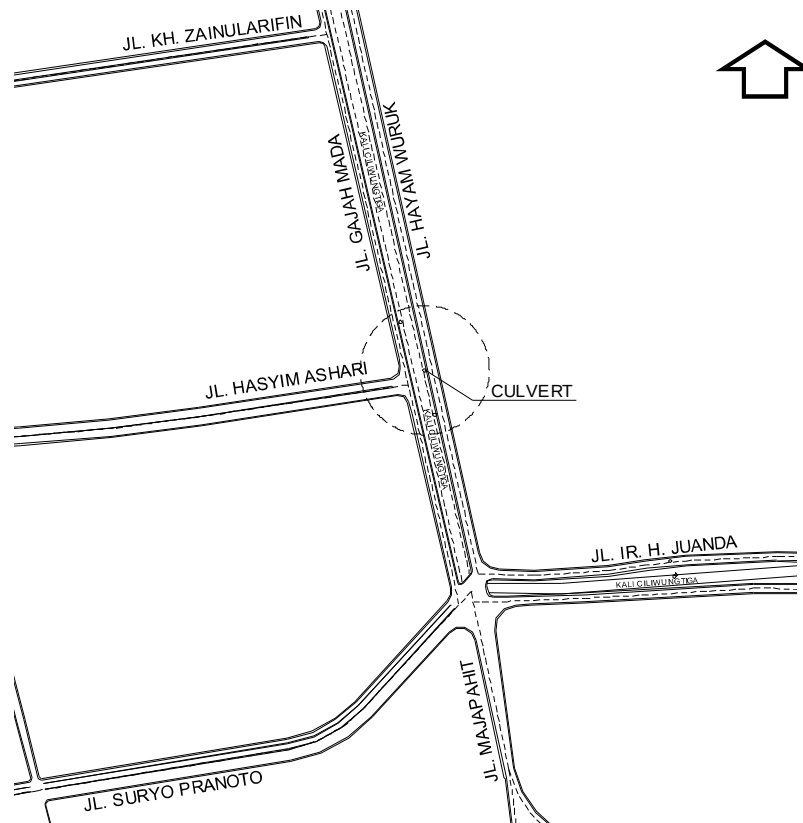


## FOTO

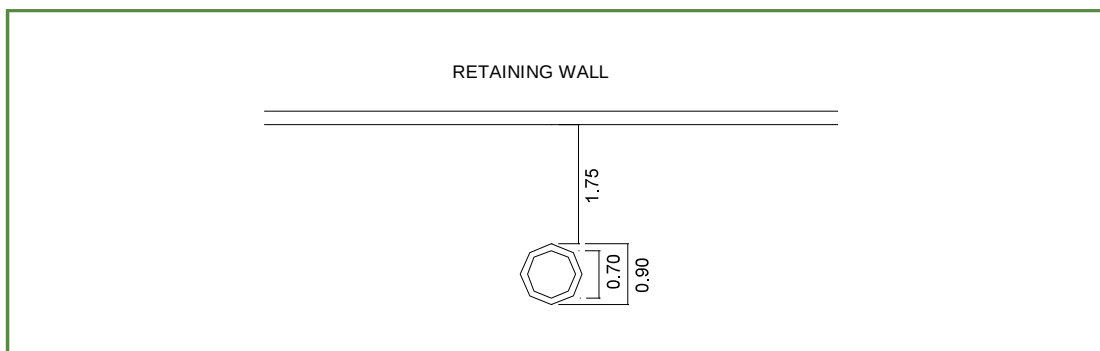


## 07-2. DETAIL CULVERT IN JL. HAYAM WURUK

### LAYOUT



### SKETCH

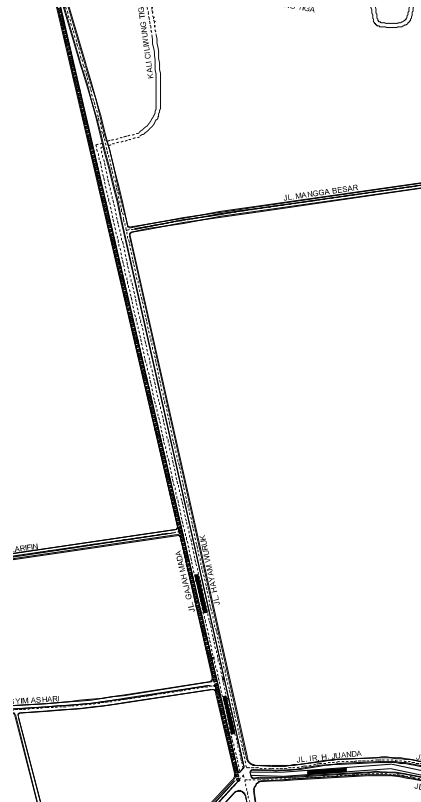


### FOTO

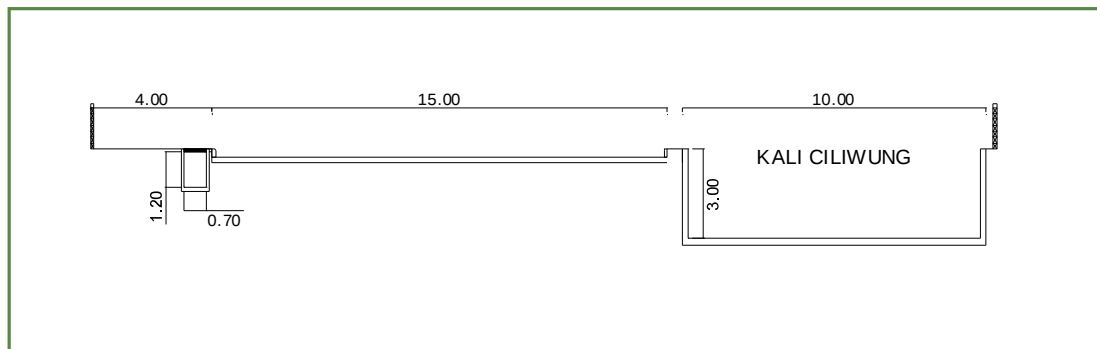


## 08. DETAIL OF JL GAJAH MADA

### LAYOUT



### SKETCH

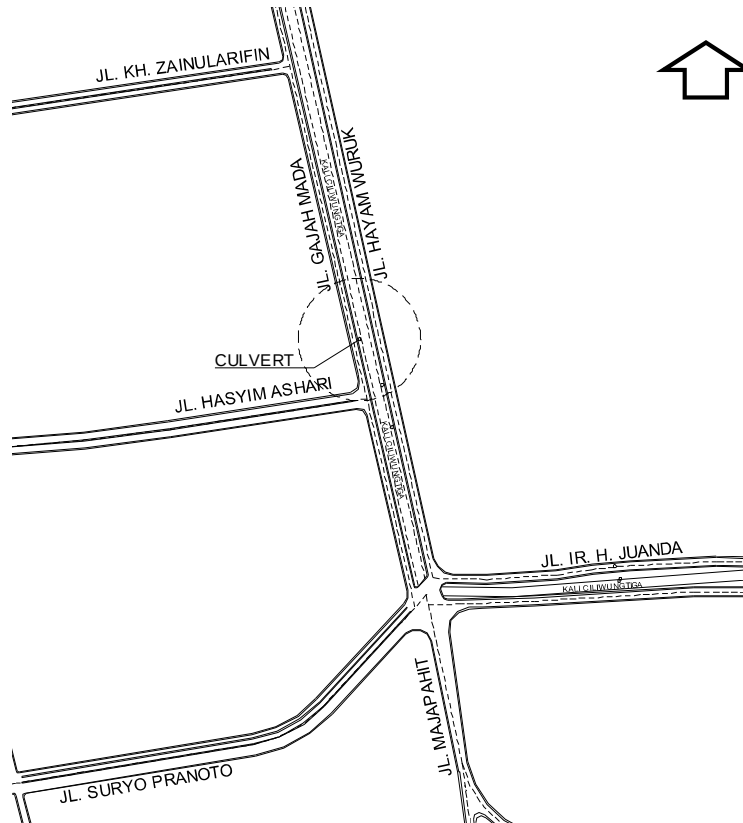


### FOTO

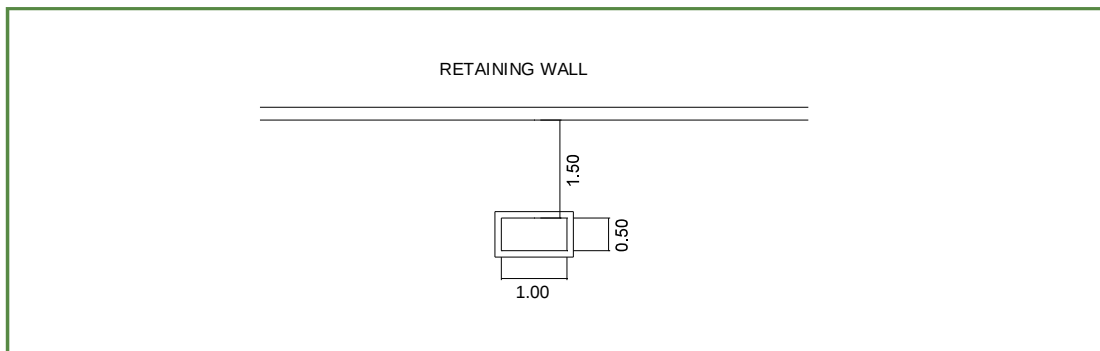


## 08-1. DETAIL OF CULVERT IN JL. GAJAH MADA

### LAYOUT



### SKETCH

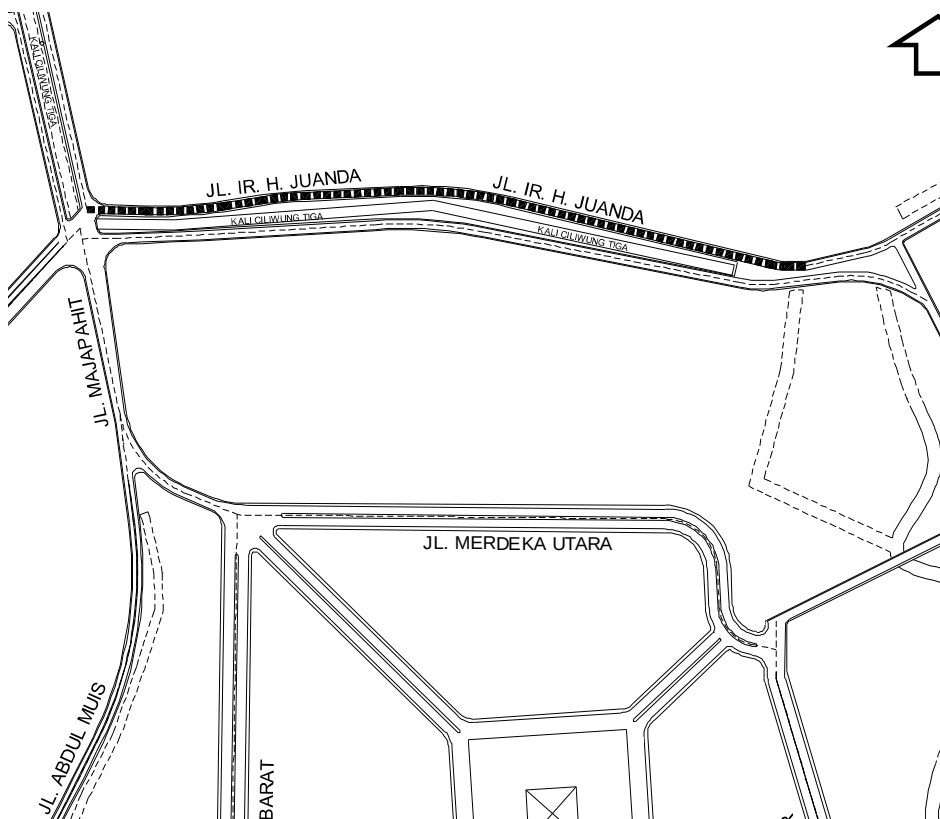


### FOTO

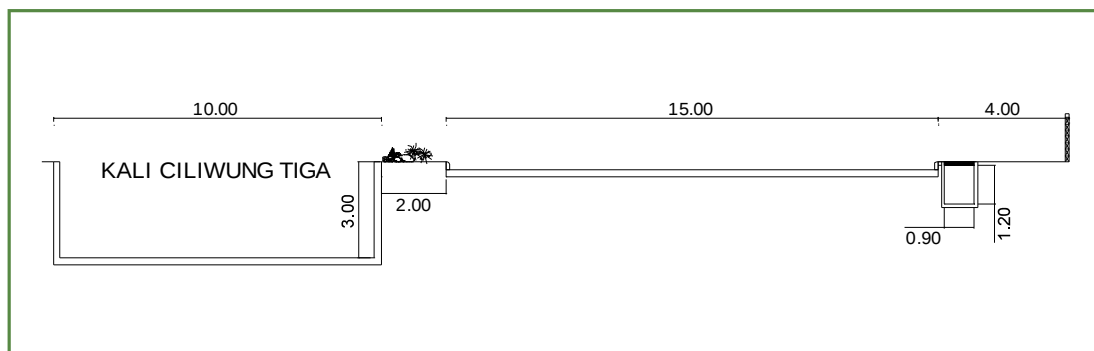


## 09. DETAIL OF JL. JUANDA

LAYOUT



SKETCH

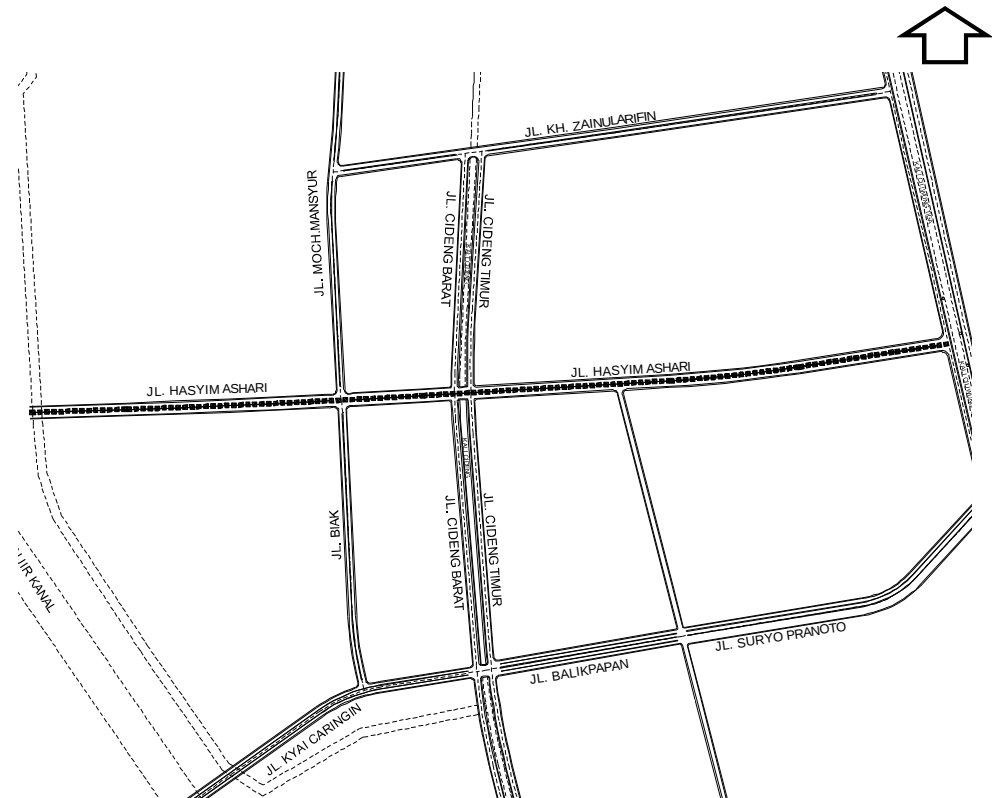


FOTO

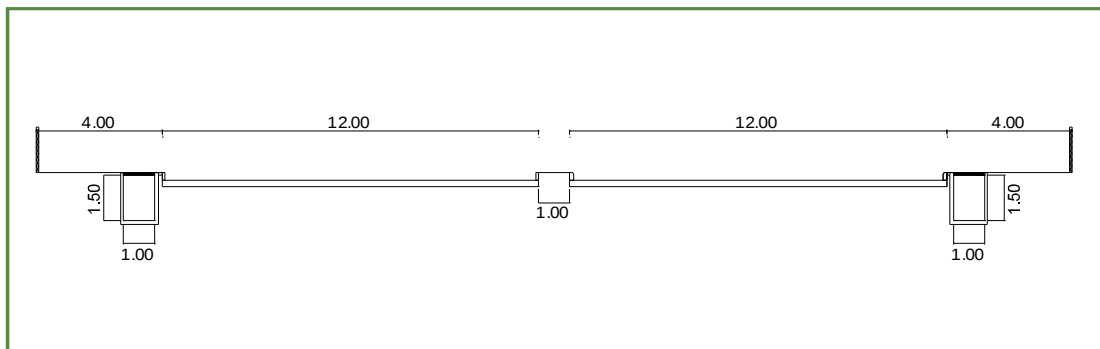


## 10. DETAIL OF JL. KH. HASYIM ASHARI

### LAYOUT



### SKETCH

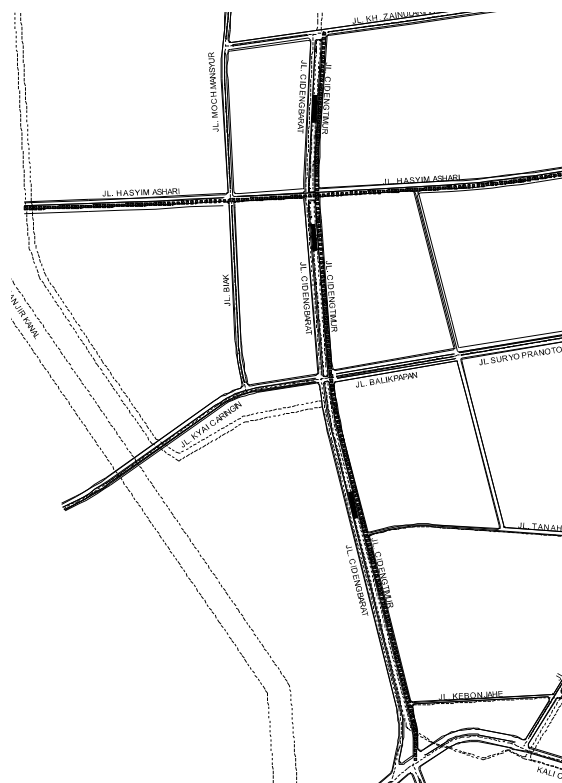


### FOTO

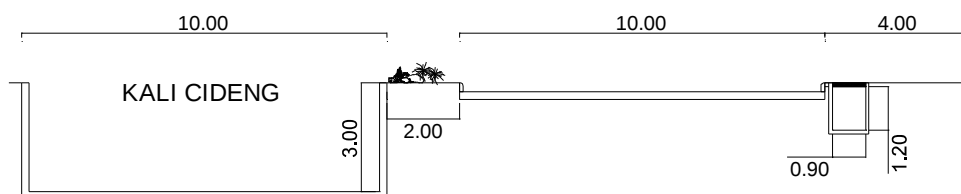


## 11. DETAIL OF JL. CIDENG TIMUR

## LAYOUT



### SKETCH

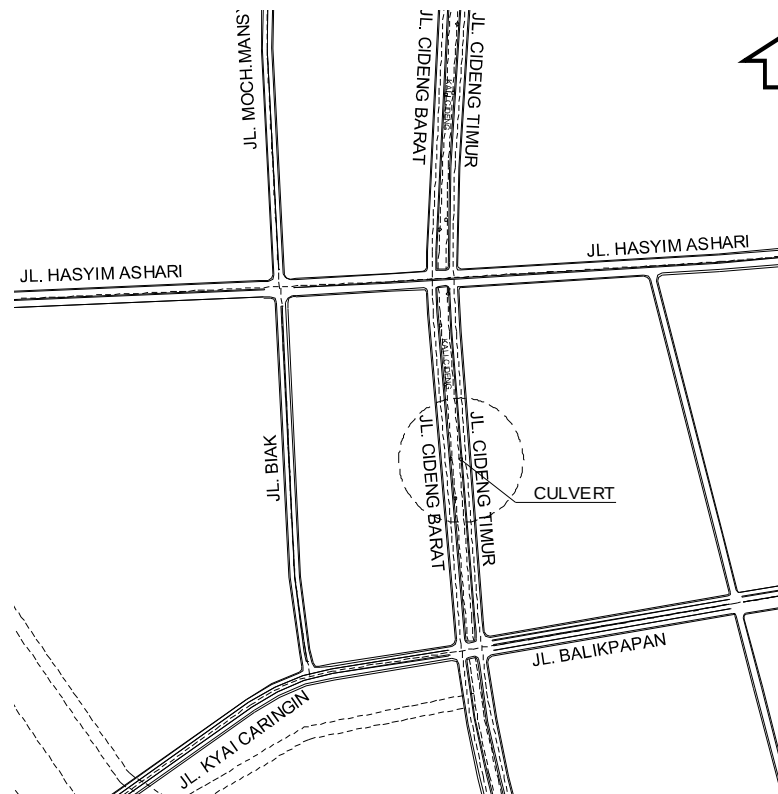


**FOTO**

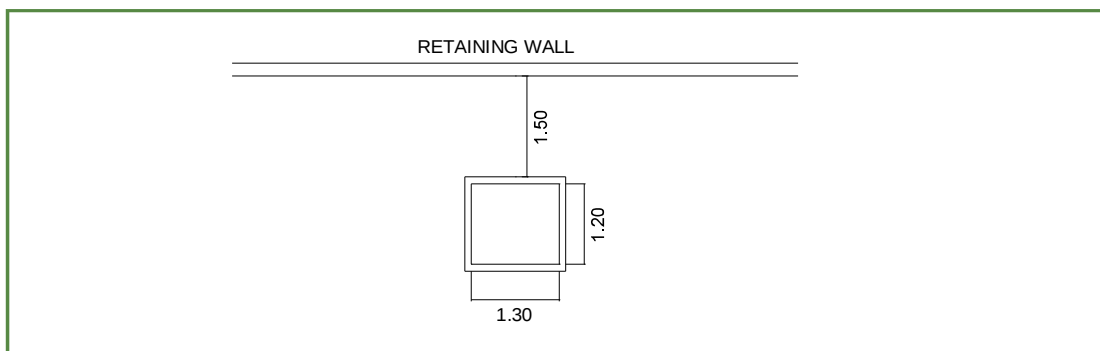


## 11-1. DETAIL OF CULVERT IN JL. CIDENG TIMUR

### LAYOUT



### SKETCH

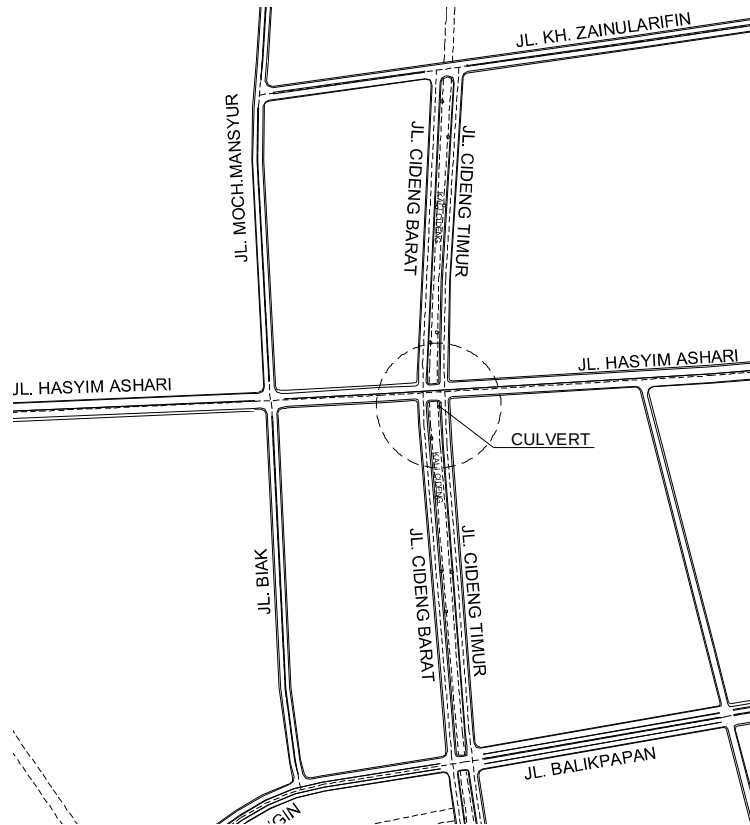


### FOTO

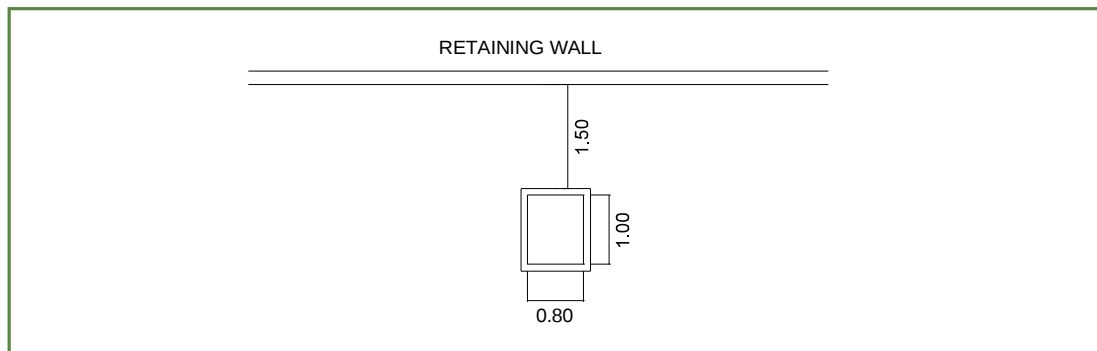


## 11-2. DETAIL OF CULVERT IN JL. CIDENG TIMUR

## LAYOUT



## SKETCH



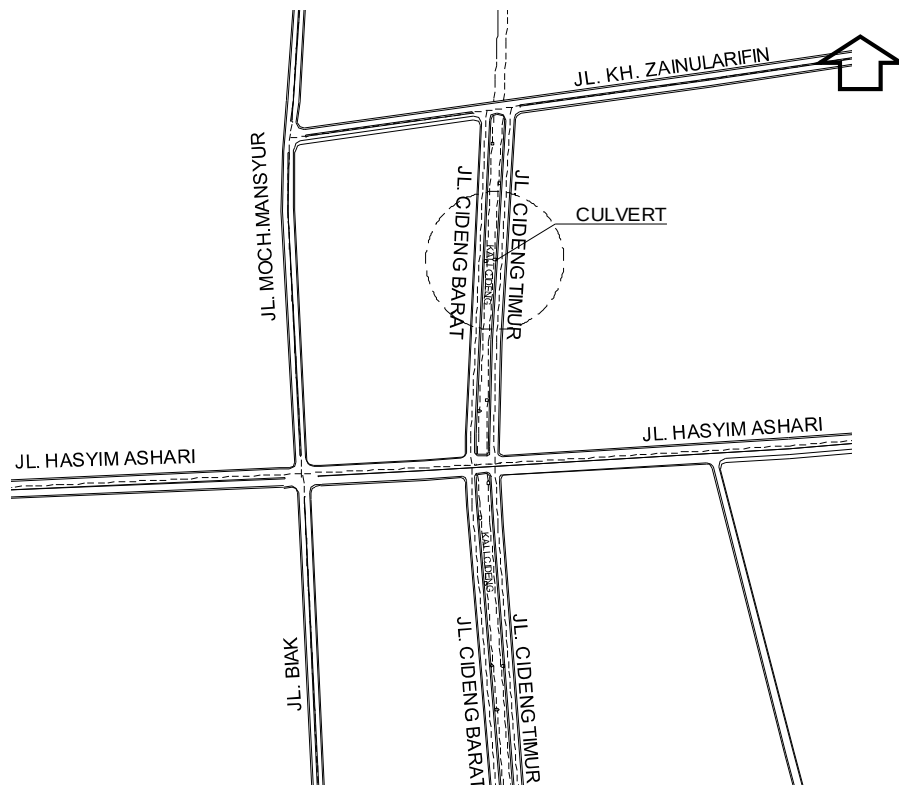
## FOTO



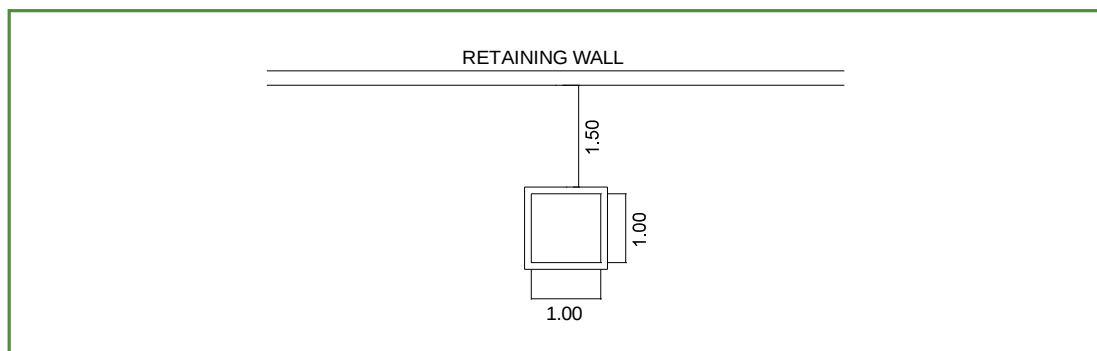


#### 11-4. DETAIL OF CULVERT IN JL. CIDENG TIMUR

##### LAYOUT



##### SKETCH



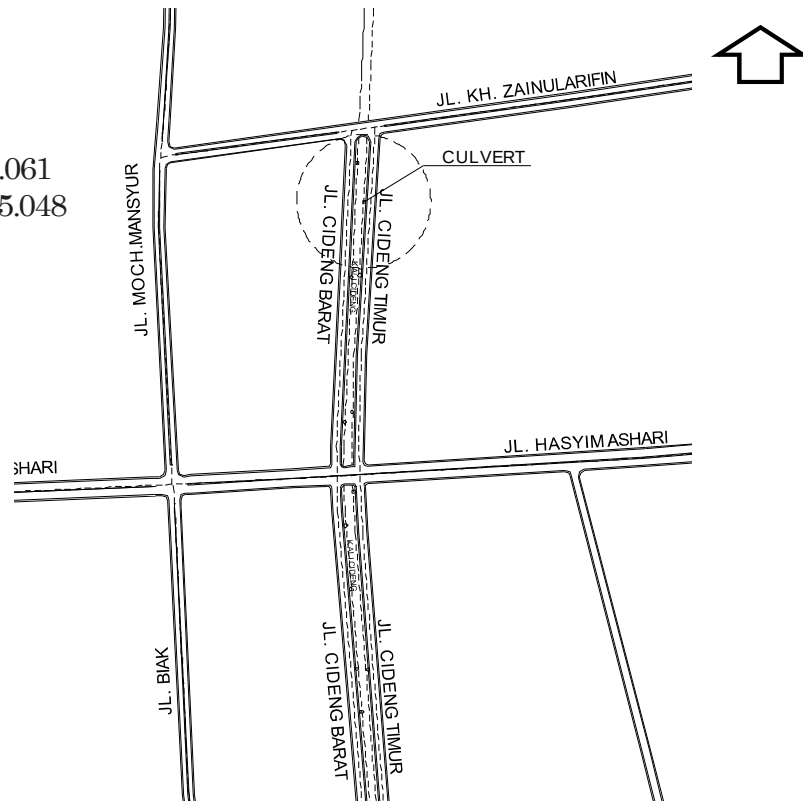
##### FOTO



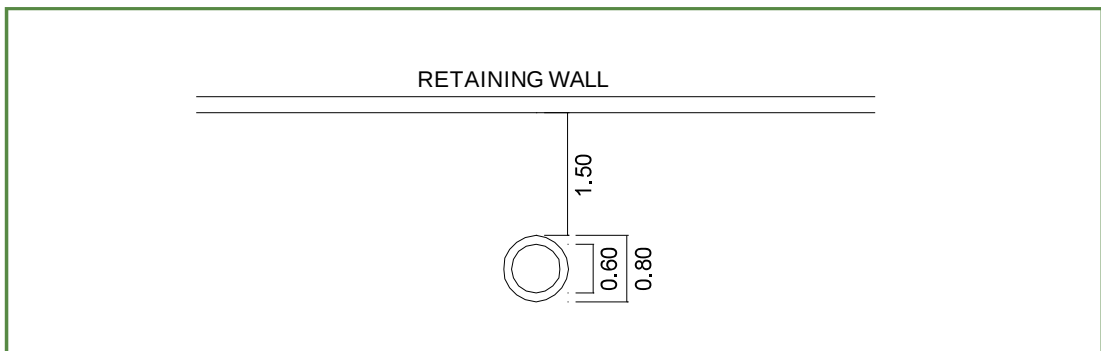
# 11-5. DETAIL OF CULVERT IN JL. CIDENG TIMUR

## LAYOUT

Position  
X= 700370.061  
Y= 9318645.048



## SKETCH



## FOTO

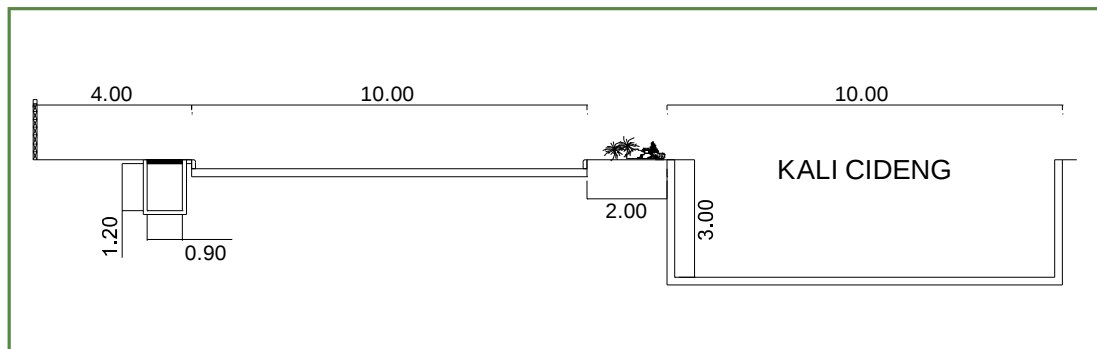


## 12. DETAIL OF JL. CIDENG BARAT

## LAYOUT



### SKETCH



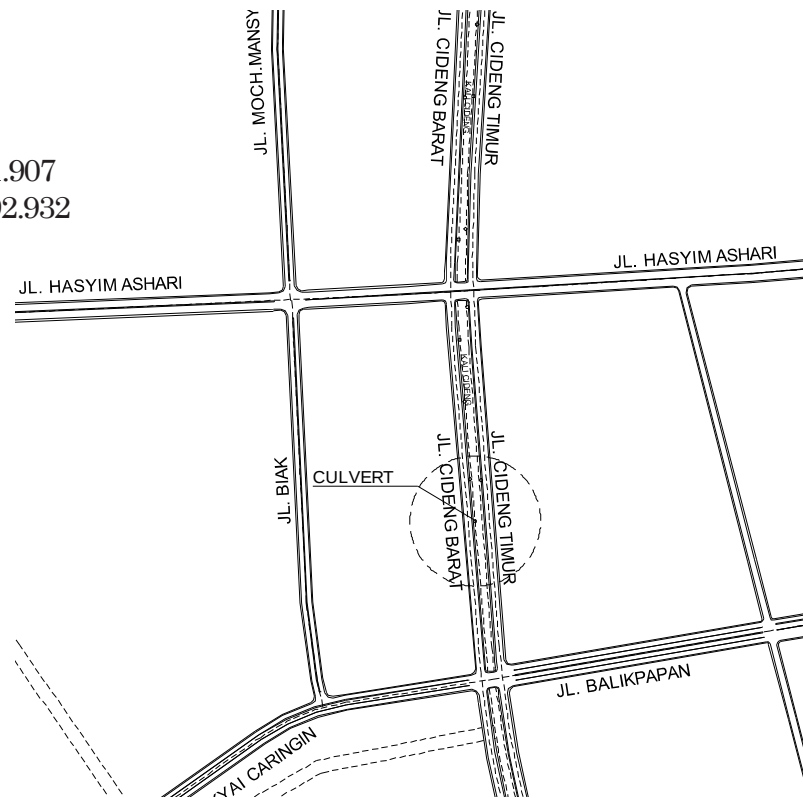
**FOTO**



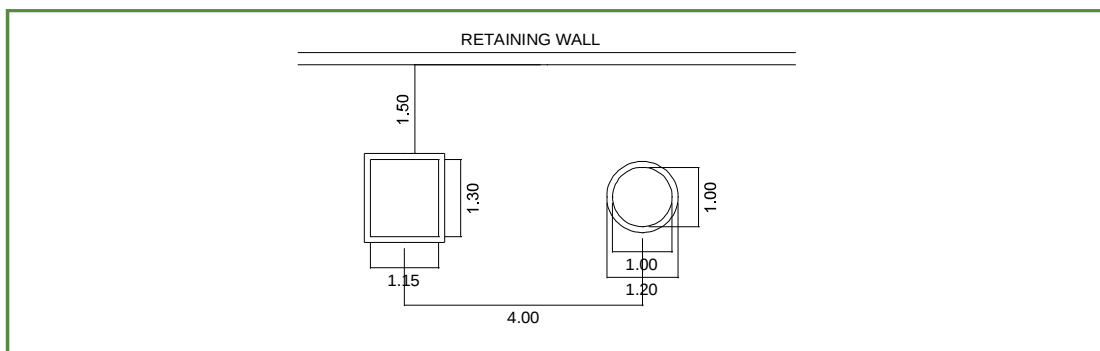
## 12-1. DETAIL OF CULVERT IN JL. CIDENG BARAT

### LAYOUT

Position  
X= 700361.907  
Y= 9317792.932



### SKETCH



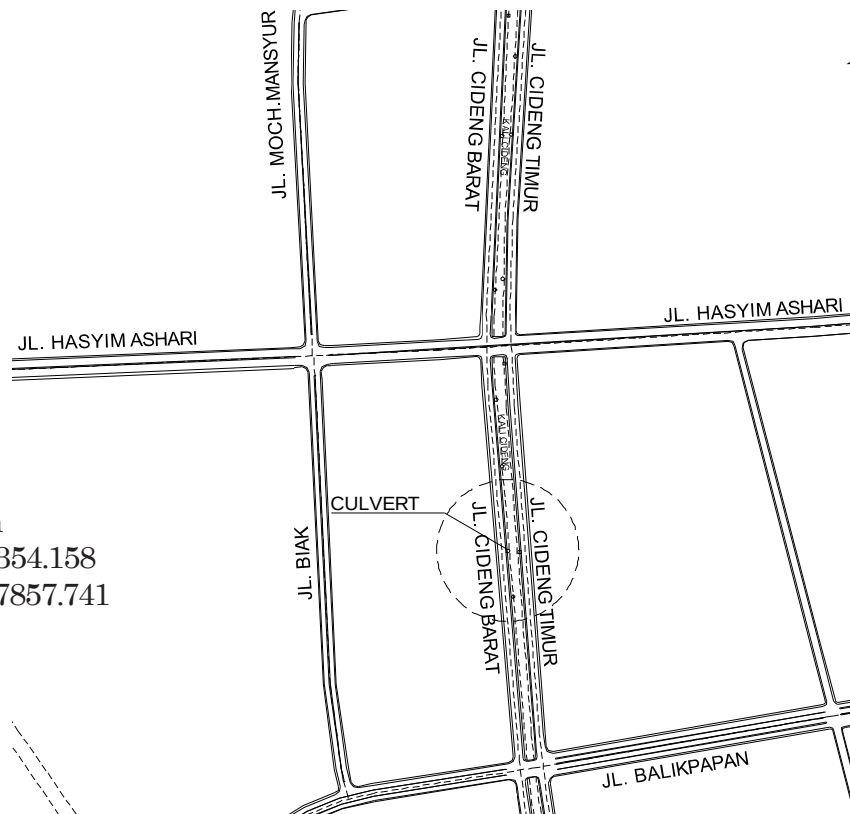
### FOTO



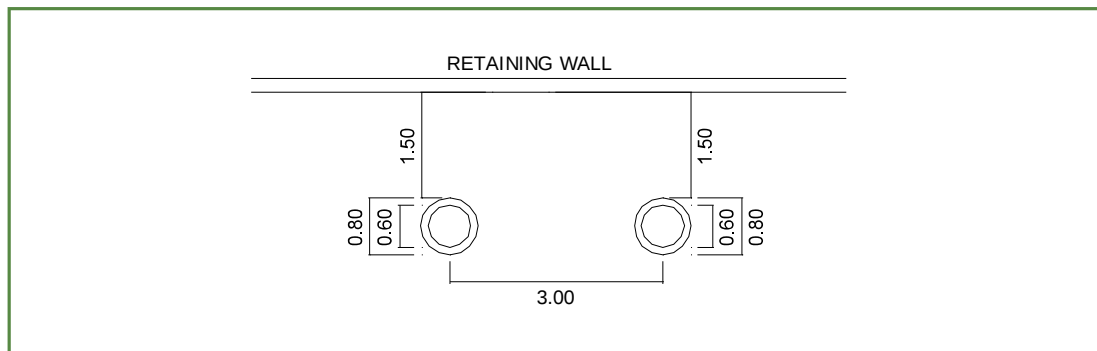
## 12-2. DETAIL OF CULVERT IN JL. CIDENG BARAT

### LAYOUT

Position  
X= 700354.158  
Y= 9317857.741



### SKETCH



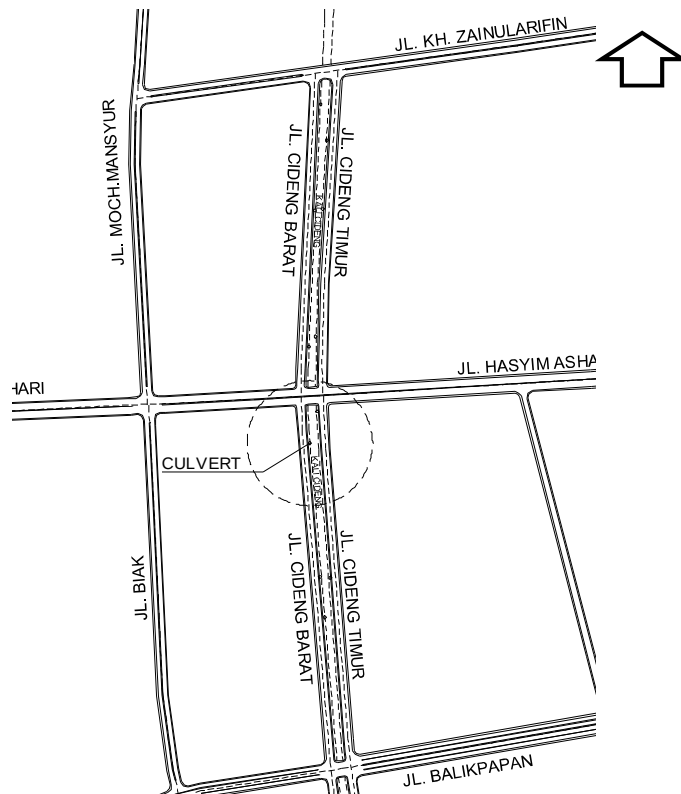
### FOTO



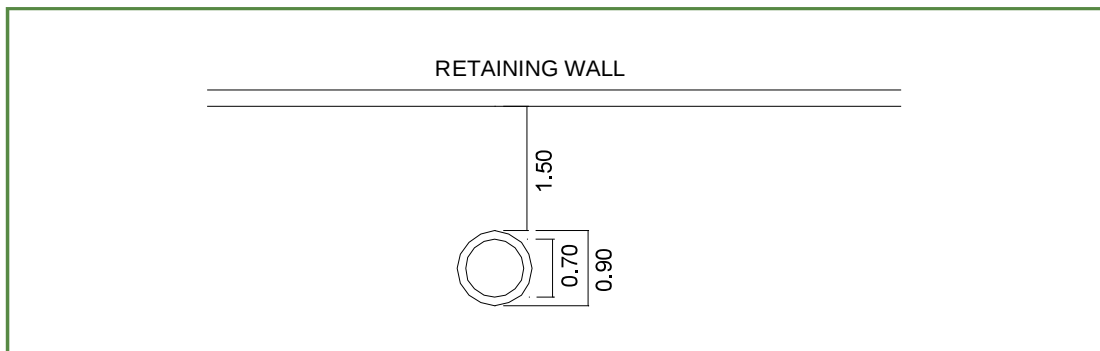
### 12-3. DETAIL OF CULVERT IN JL. CIDENG BARAT

#### LAYOUT

Position  
X= 700337.708  
Y= 9318070.804



#### SKETCH



#### FOTO



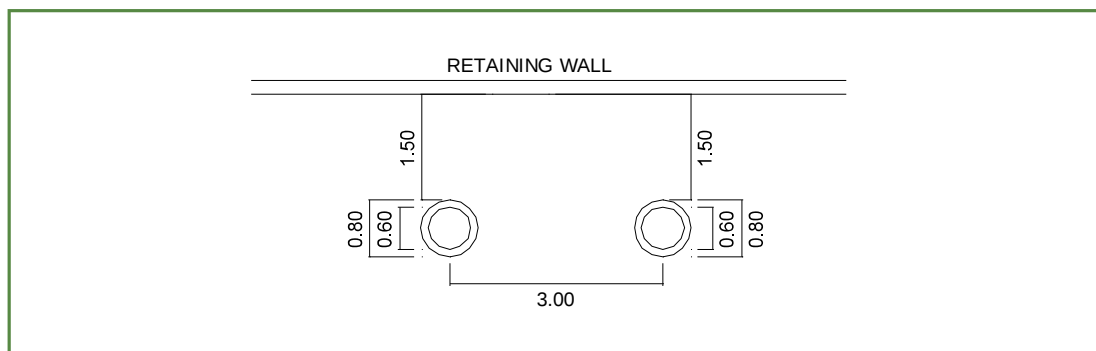
## 12-2. DETAIL OF CULVERT IN JL. CIDENG BARAT

### LAYOUT

Position  
X= 700354.158  
Y= 9317857.741



### SKETCH



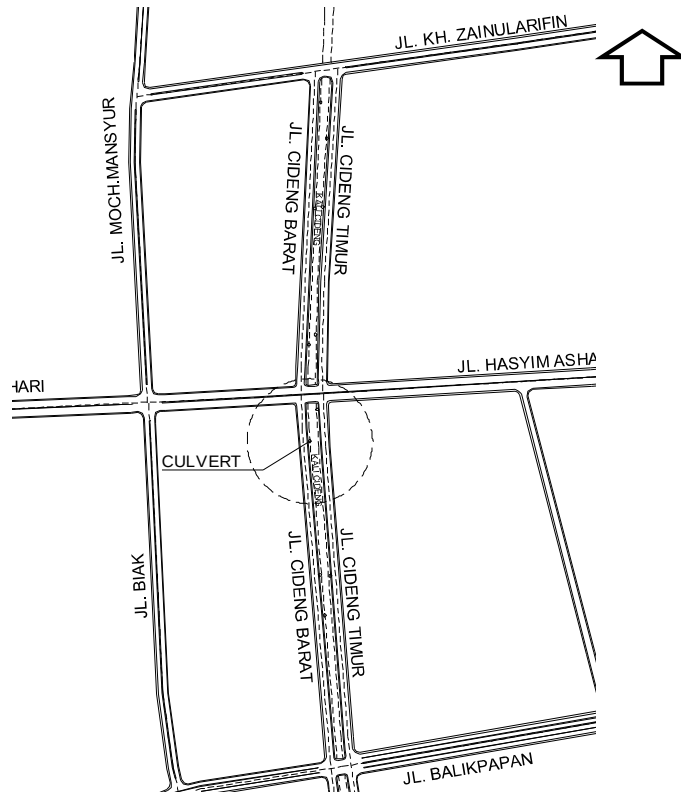
### FOTO



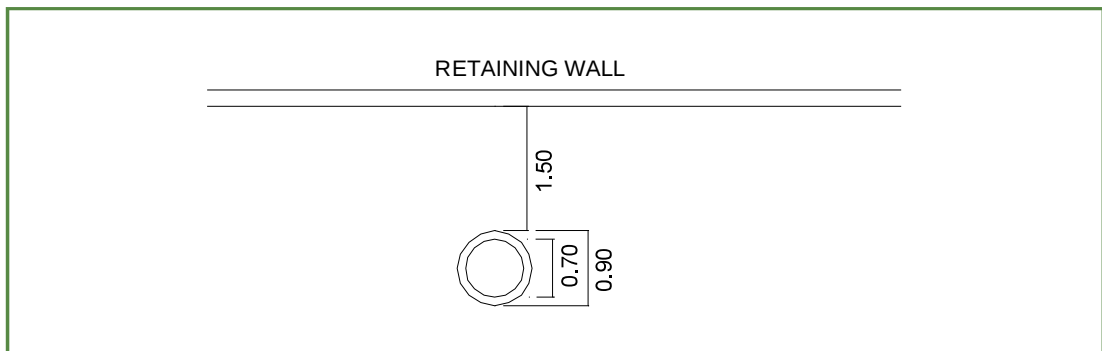
### 12-3. DETAIL OF CULVERT IN JL. CIDENG BARAT

#### LAYOUT

Position  
X= 700337.708  
Y= 9318070.804



#### SKETCH



#### FOTO

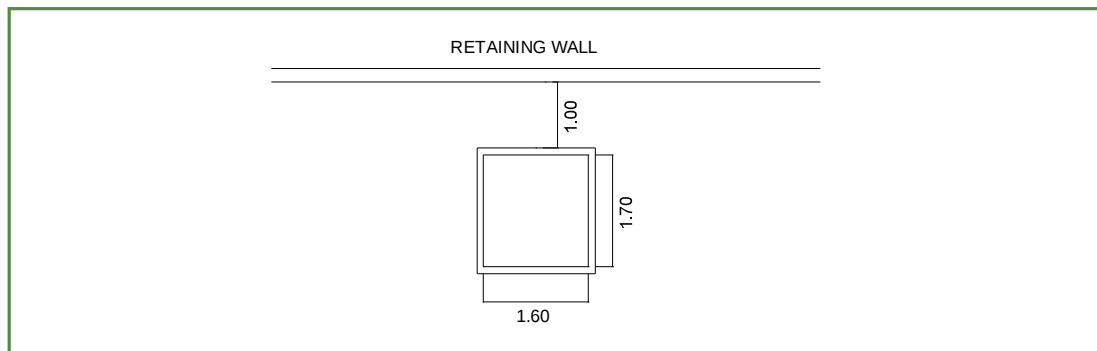


## 12-4. DETAIL OF CULVERT IN JL. CIDENG BARAT

## LAYOUT



## SKETCH



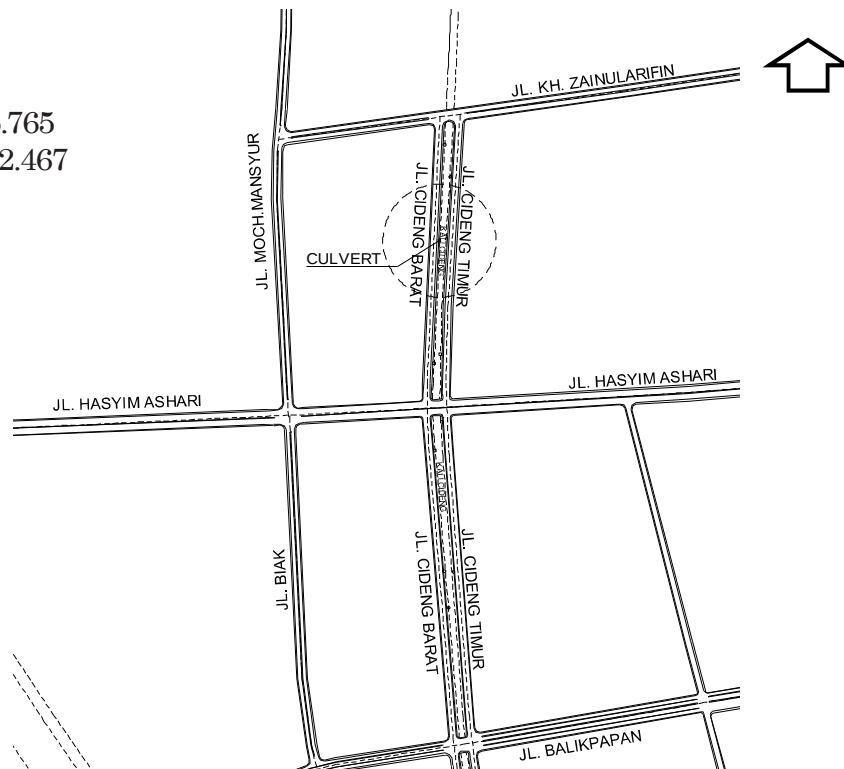
## FOTO



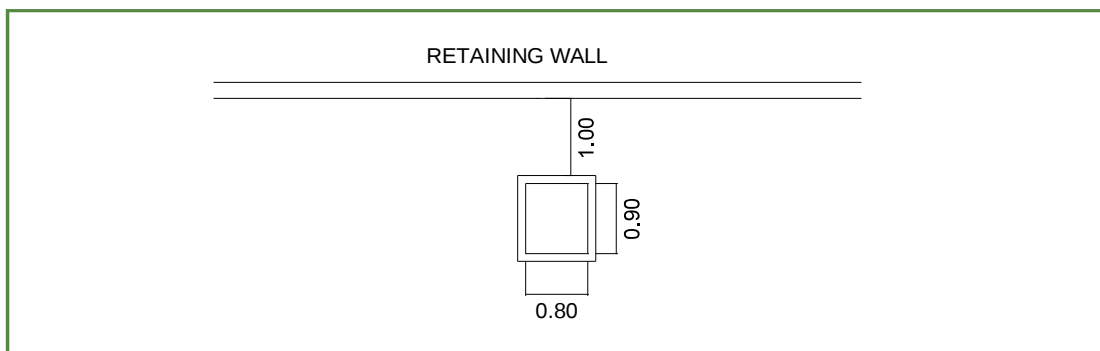
## 12-5. DETAIL OF CULVERT IN JL. CIDENG BARAT

### LAYOUT

Position  
X= 700345.765  
Y= 9318442.467



### SKETCH



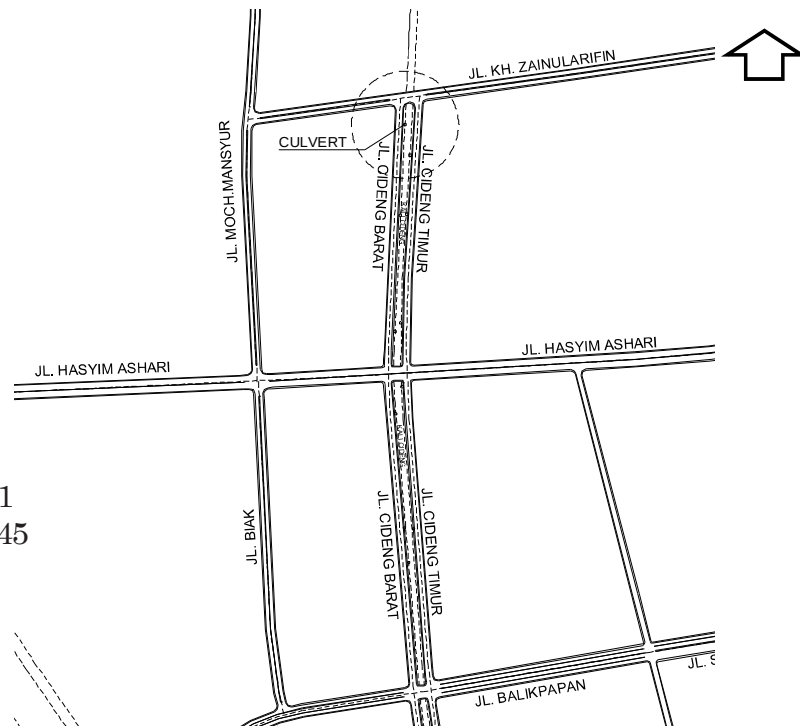
### FOTO



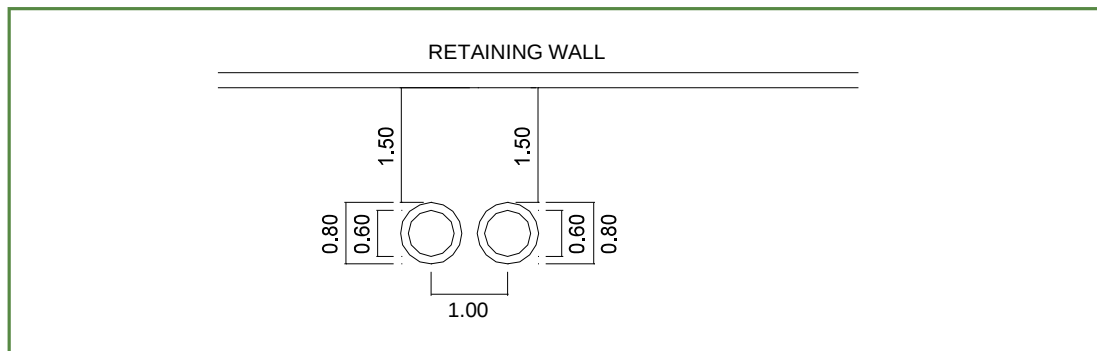
## 12-6. DETAIL OF CULVERT IN JL. CIDENG BARAT

### LAYOUT

Position  
 $X = 700355.351$   
 $Y = 9318612.845$



### SKETCH

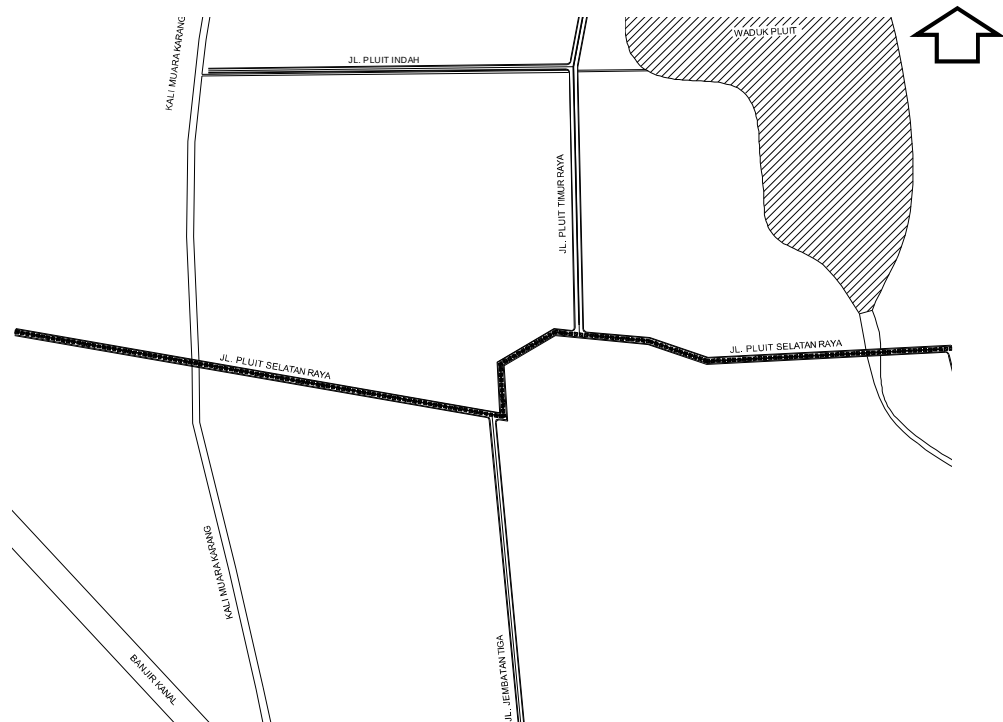


### FOTO

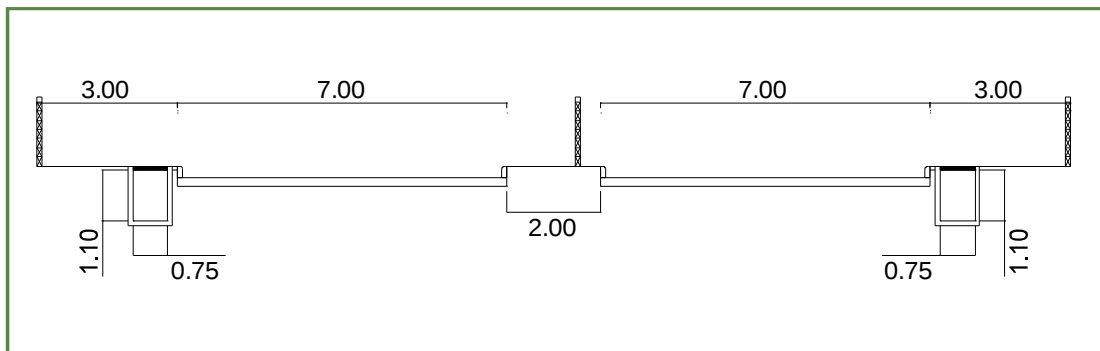


### 13-1. DETAIL OF JL. PLUIT SELATAN RAYA (TYPE-1)

#### LAYOUT



#### SKETCH

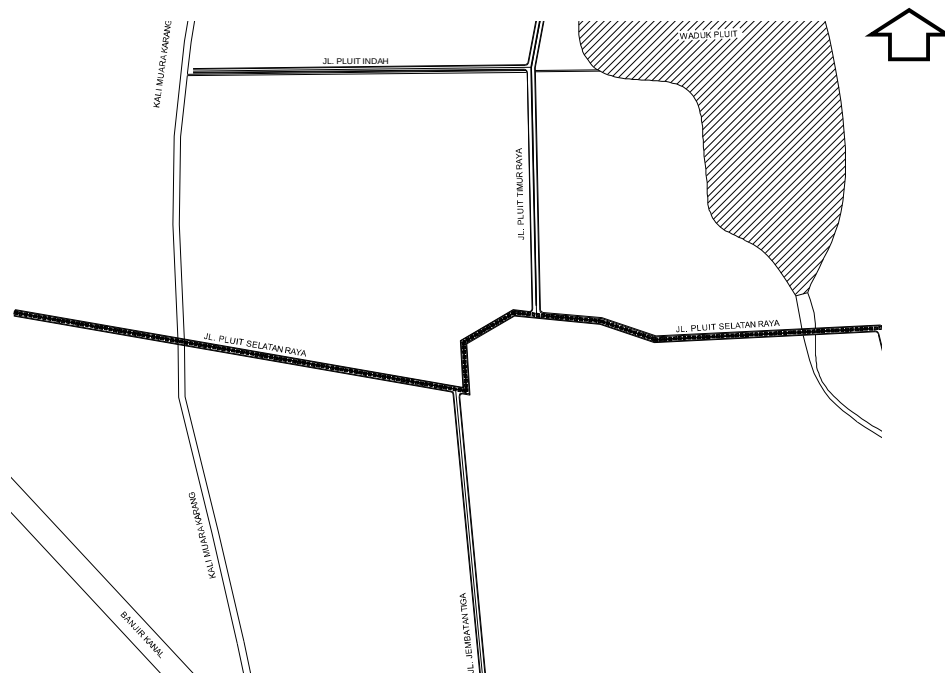


#### FOTO

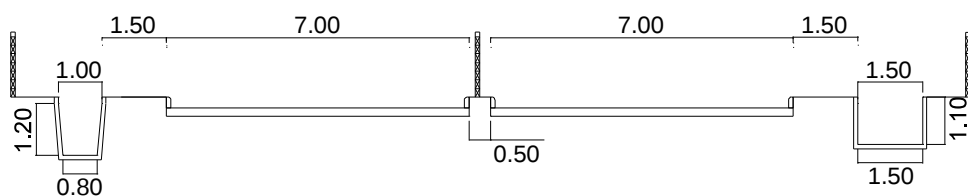


## 13-2. DETAIL OF JL. PLUIT SELATAN RAYA (TYPE-2)

### LAYOUT



### SKETCH

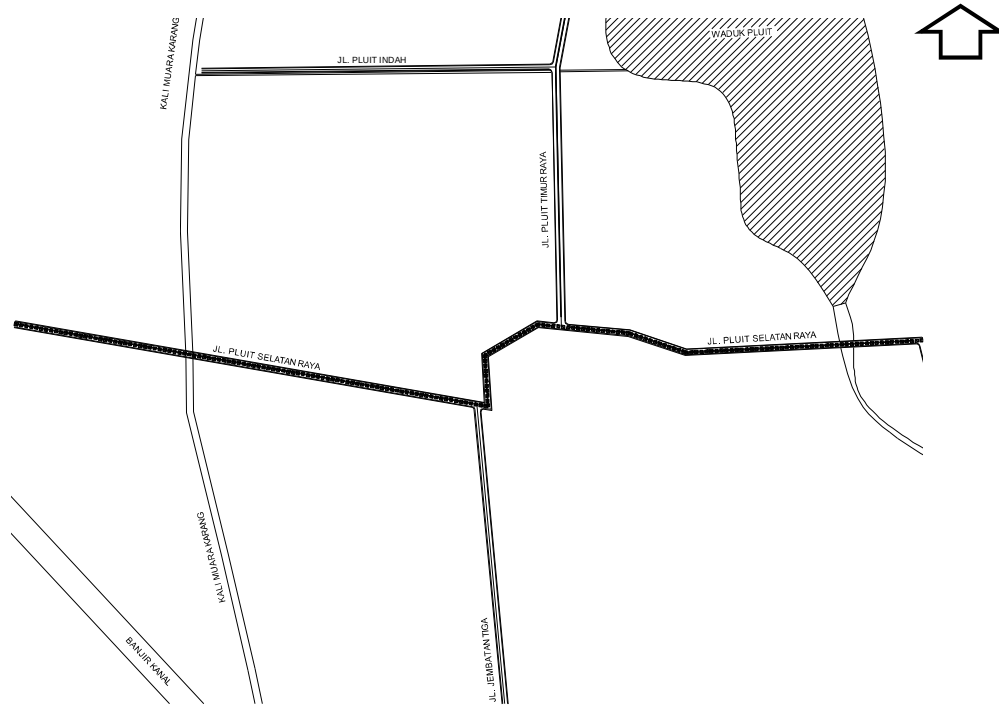


### FOTO

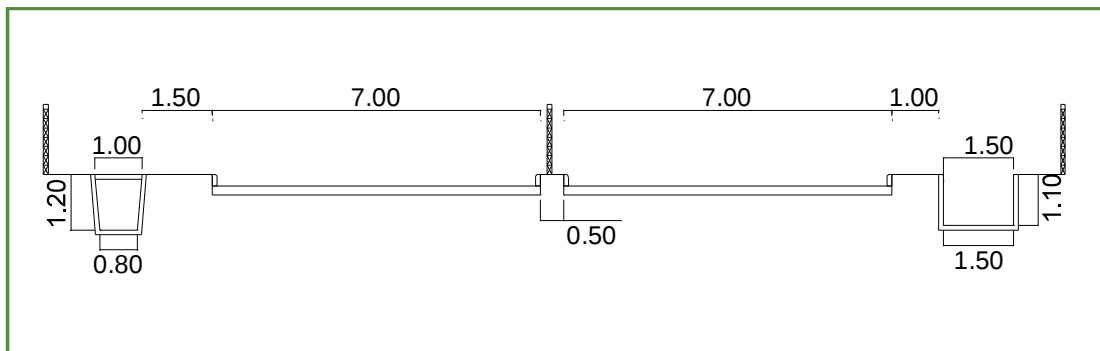


### 13-3. DETAIL OF JL. PLUIT SELATAN RAYA (TYPE-3)

#### LAYOUT



#### SKETCH

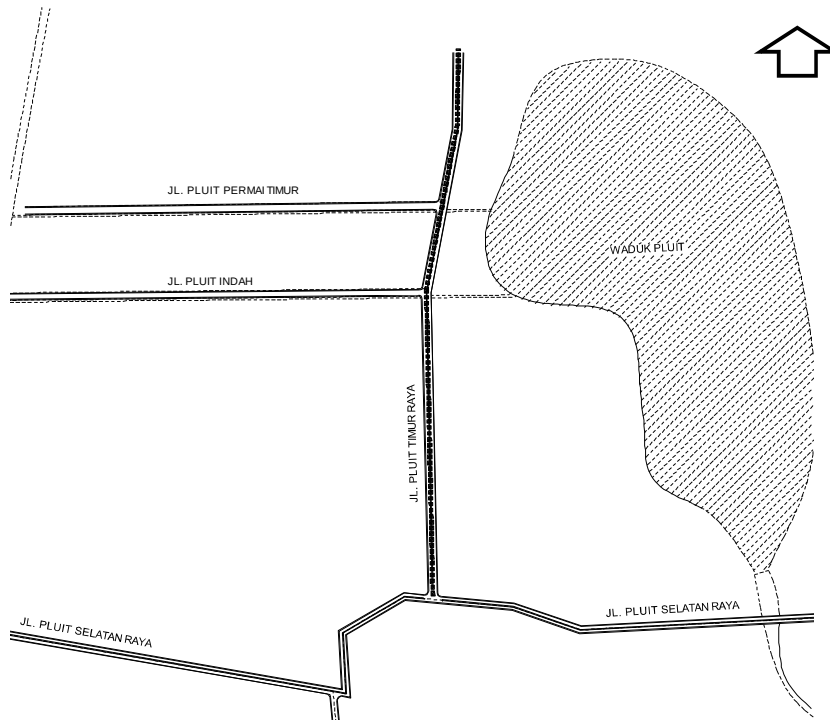


#### FOTO

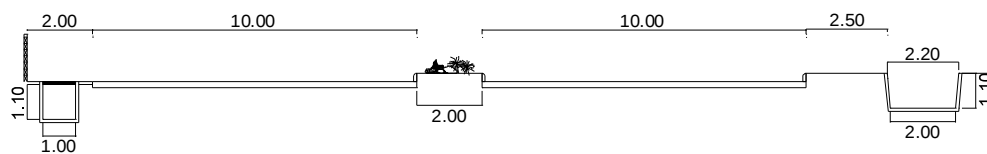


# 14-1. DETAIL OF JL. PLUIT TIMUR RAYA (TYPE-1)

## LAYOUT



## SKETCH

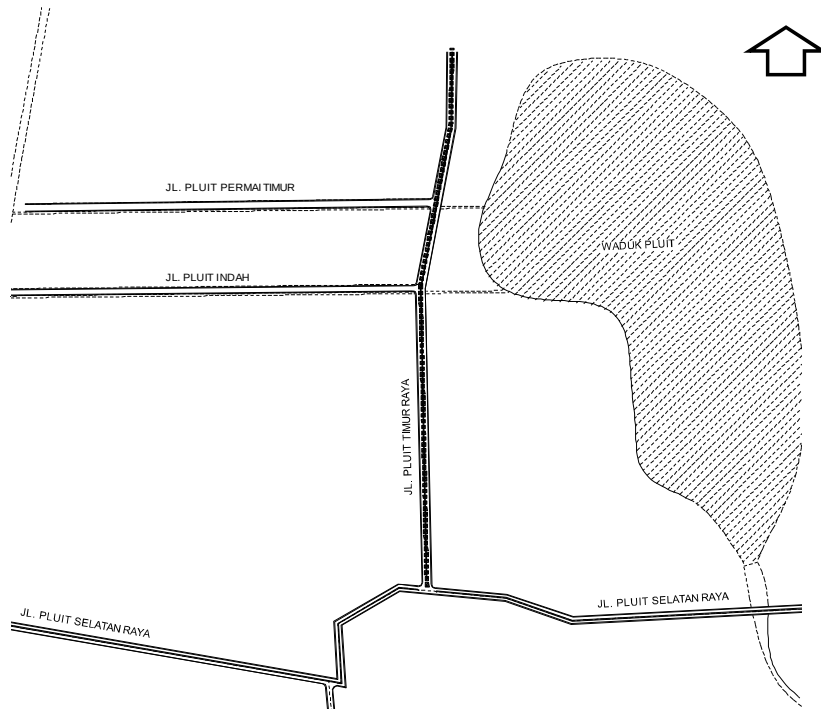


## FOTO

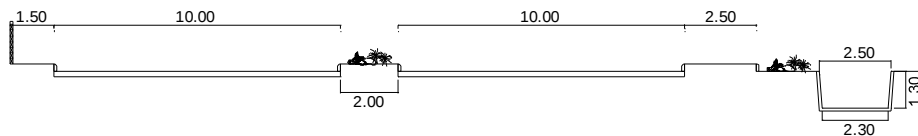


## 14-2. DETAIL OF JL. PLUIT TIMUR RAYA (TYPE-2)

### LAYOUT



### SKETCH

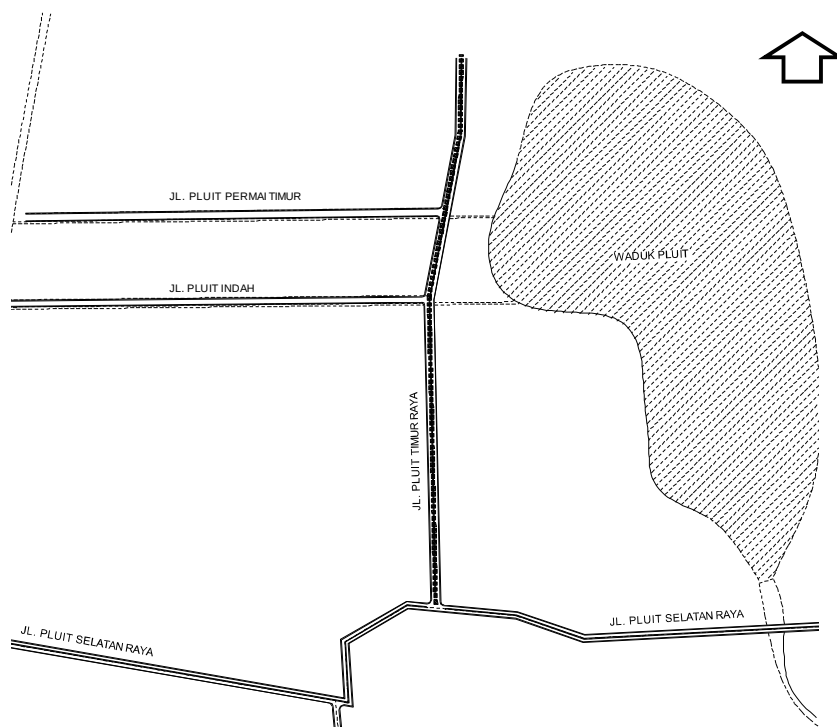


### FOTO

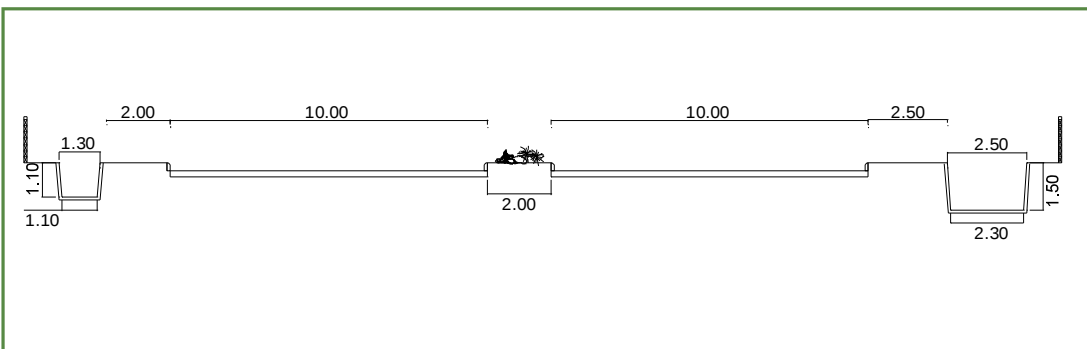


### 14-3. DETAIL OF JL. PLUIT TIMUR RAYA (TYPE-3)

#### LAYOUT



#### SKETCH

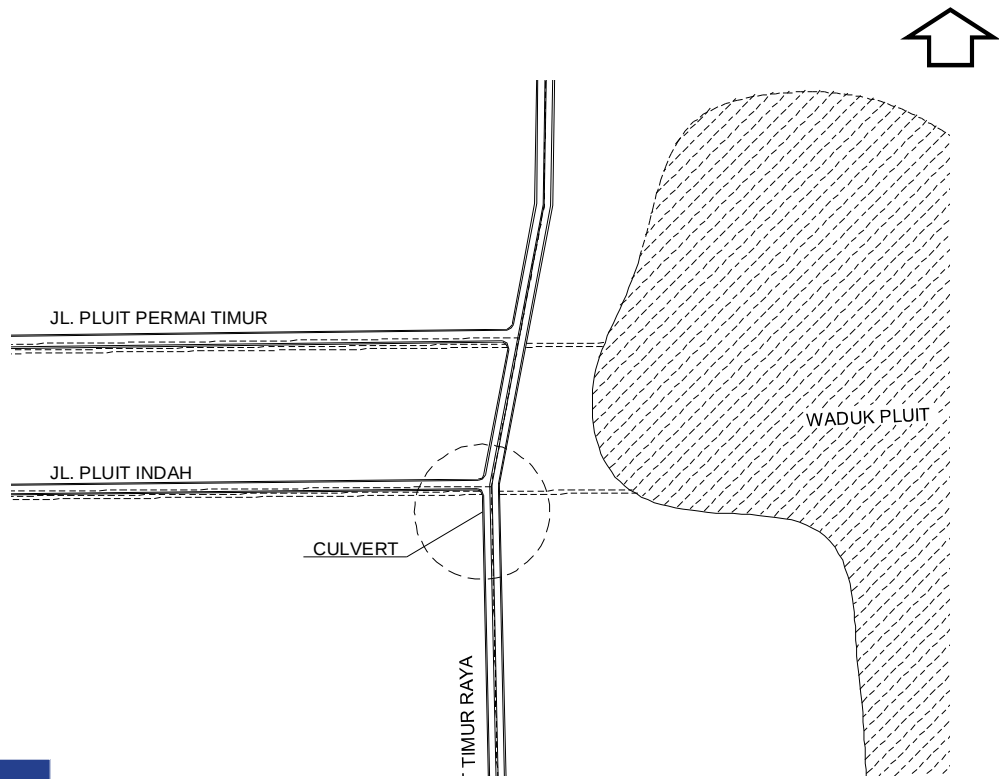


#### FOTO

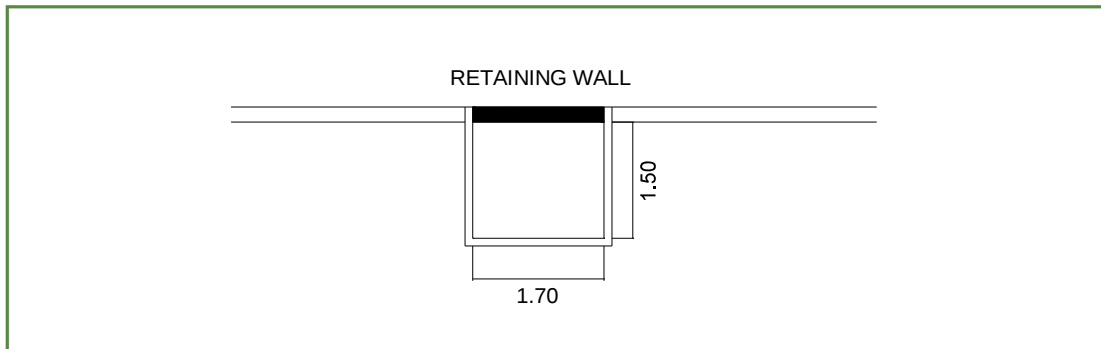


#### 14-4. DETAIL OF CULVERT IN JL. PLUIT TIMUR RAYA

##### LAYOUT



##### SKETCH

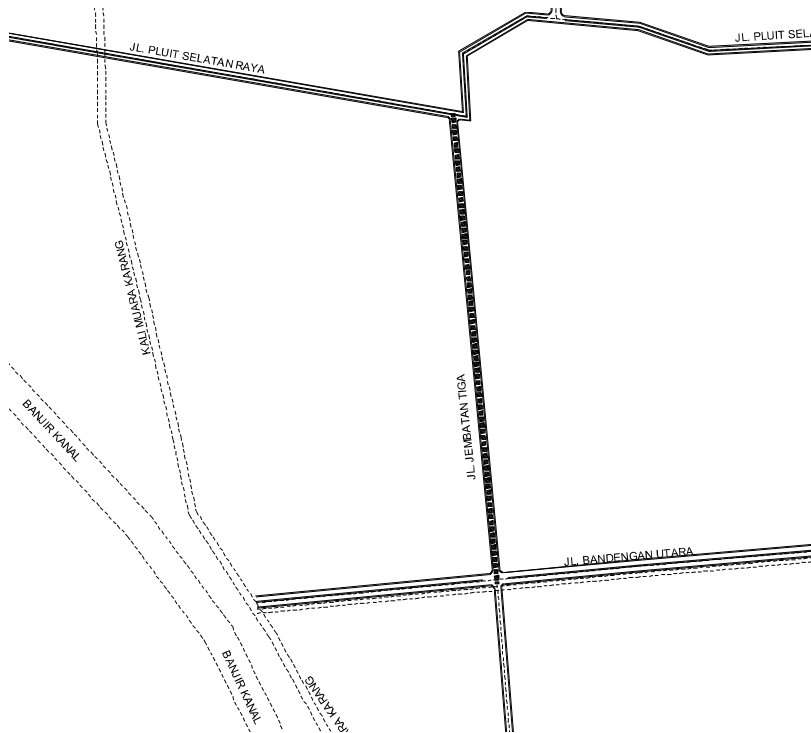


##### FOTO

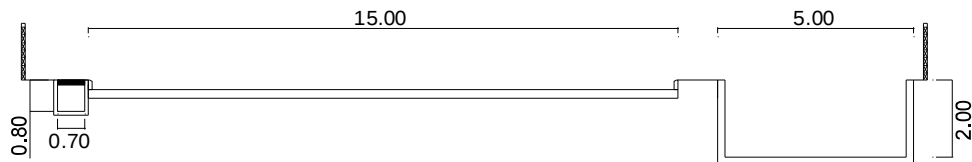


## 17. DETAIL OF JL. JEMBATAN TIGA

### LAYOUT



### SKETCH

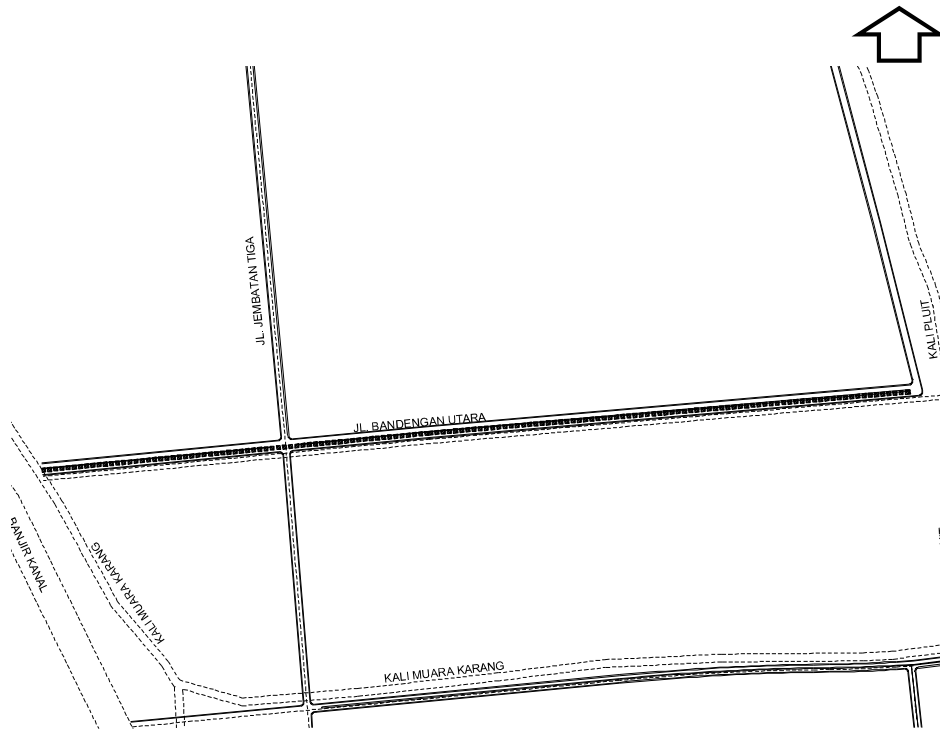


### FOTO

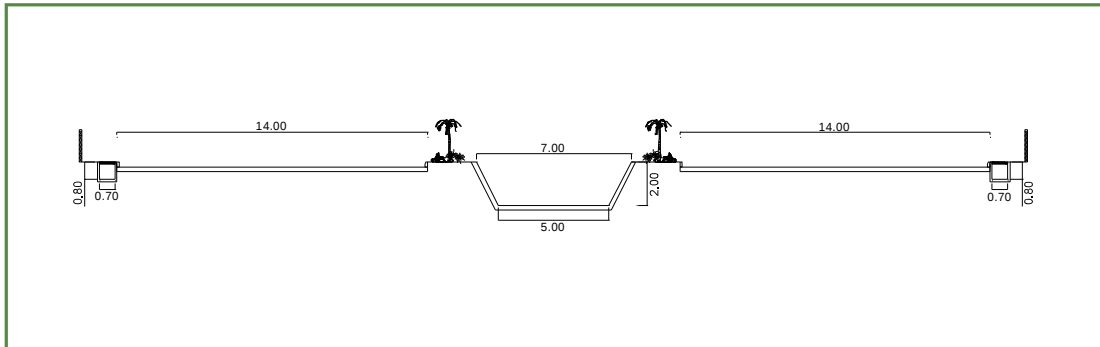


## 18. DETAIL OF JL. BANDENGAN UTARA

### LAYOUT



### SKETCH



### FOTO



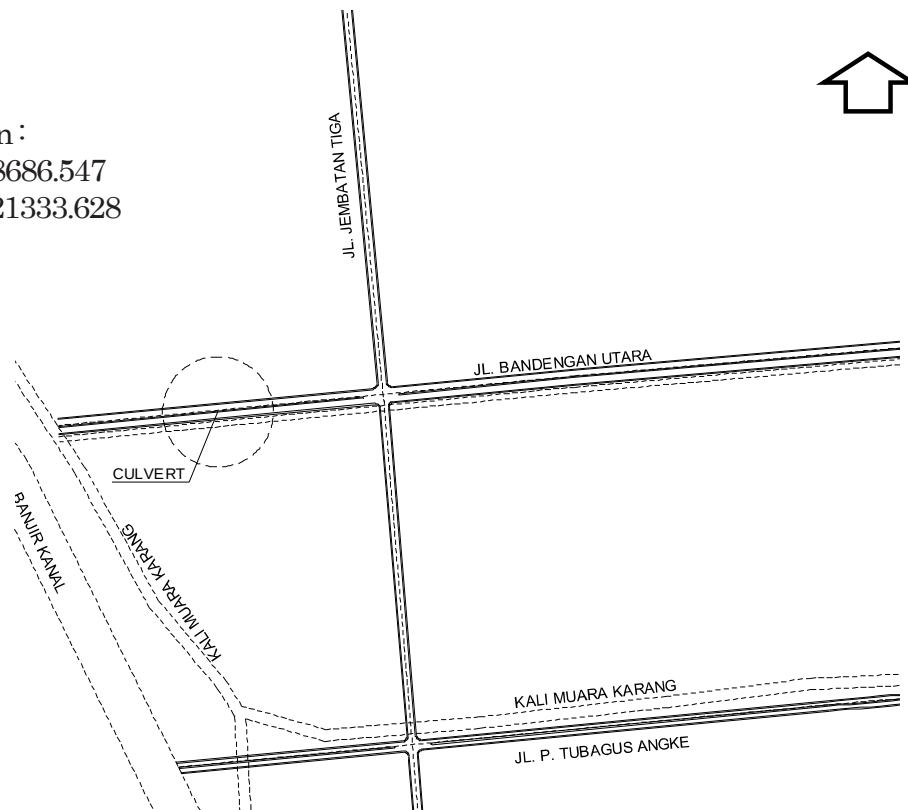
## 18-1. DETAIL OF CULVERT IN JL. BANDENGAN UTARA

### LAYOUT

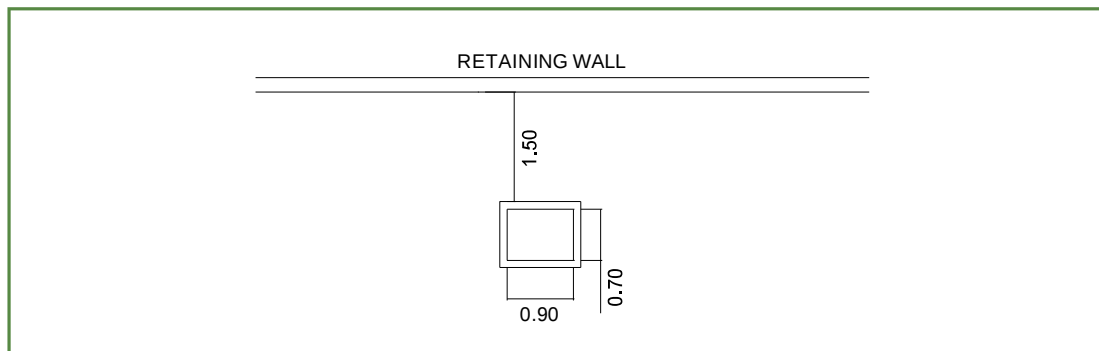
Position :

X= 698686.547

Y= 9321333.628



### SKETCH

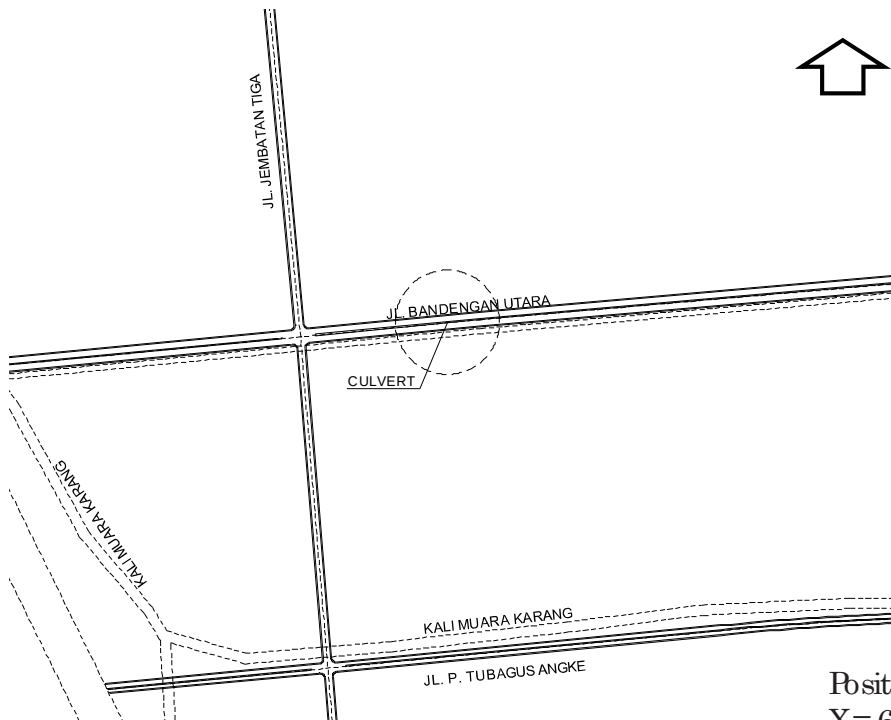


### FOTO



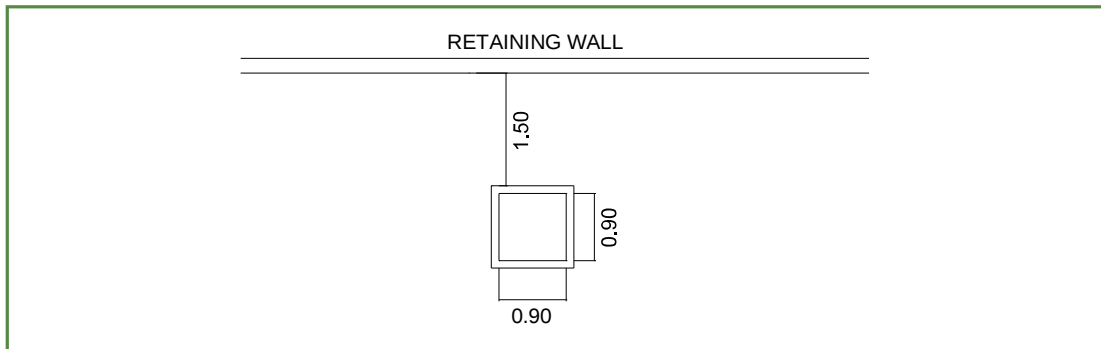
## 18-2. DETAIL OF CULVERT IN JL. BANDENGAN UTARA

### LAYOUT



Position :  
X= 698106.189  
Y= 9321277.258

### SKETCH



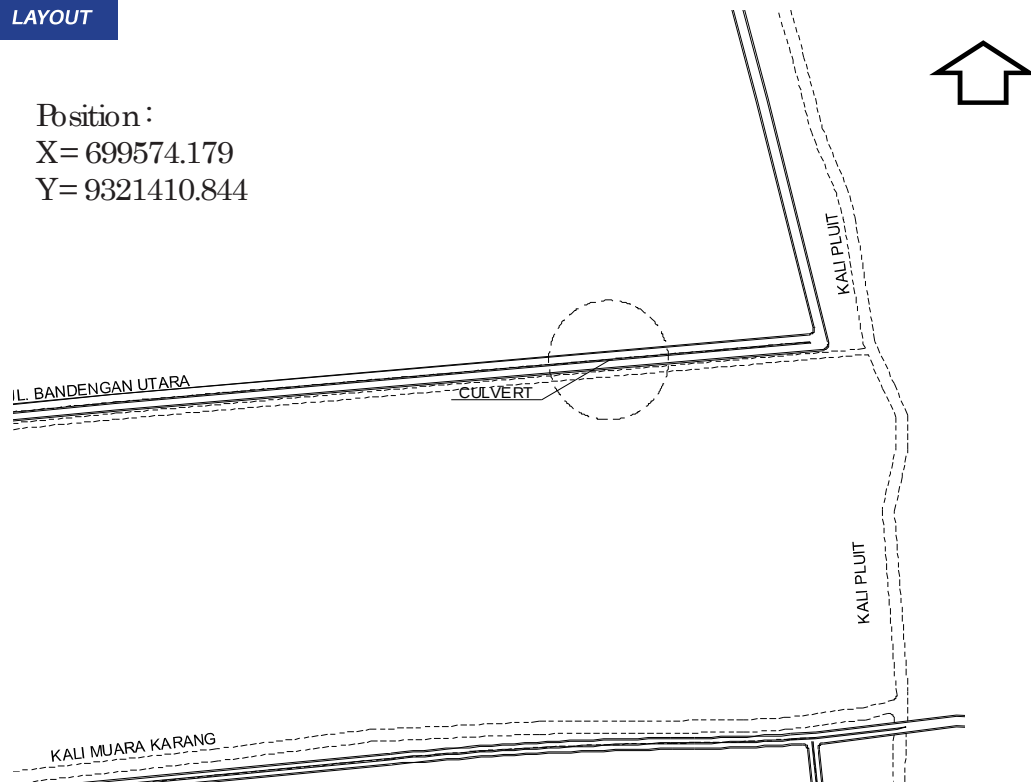
### FOTO



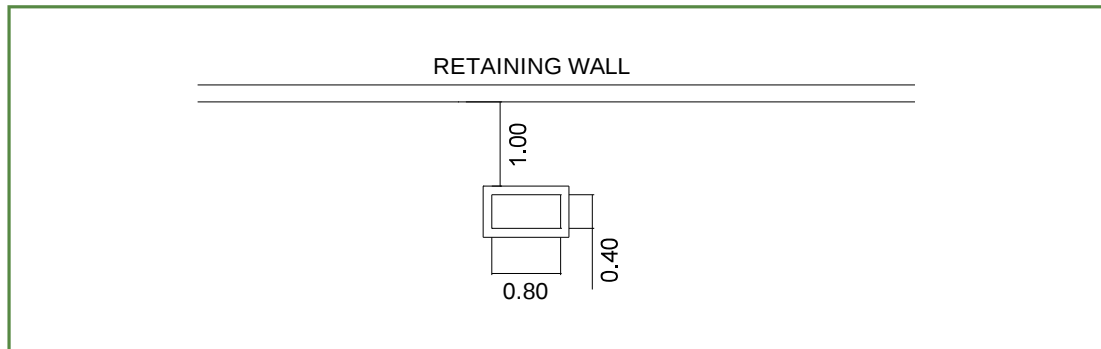
### 18-3. DETAIL OF CULVERT IN JL. BANDENGAN UTARA

#### LAYOUT

Position :  
 X= 699574.179  
 Y= 9321410.844



#### SKETCH

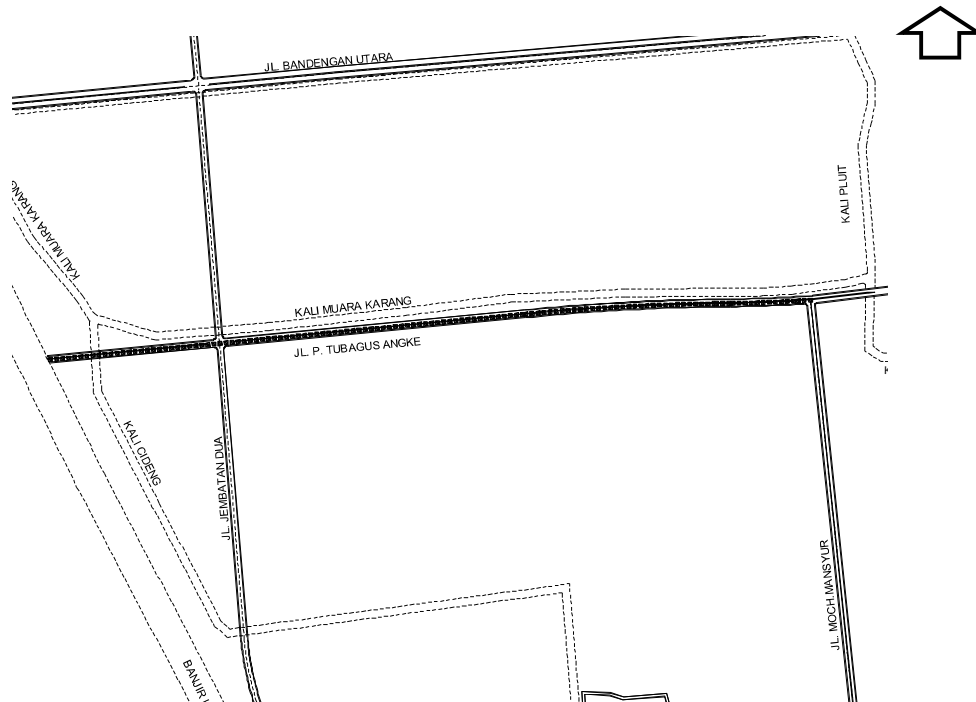


#### FOTO

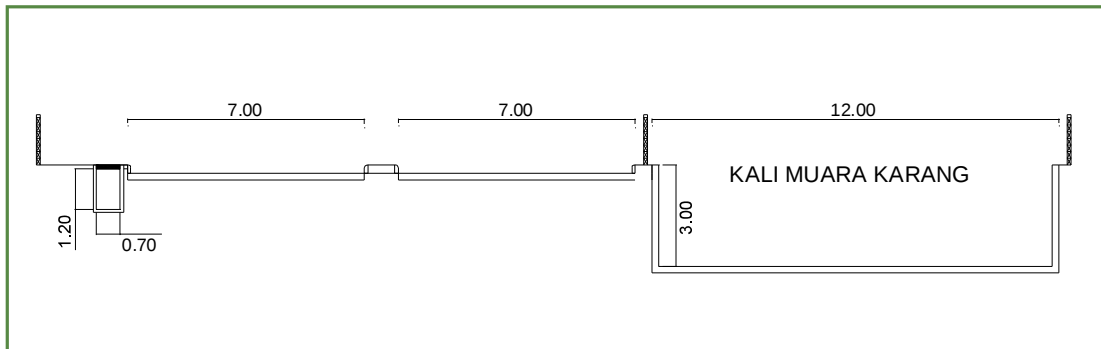


## 19-1. DETAIL OF JL. P. TUBAGUS ANGKE

### LAYOUT



### SKETCH

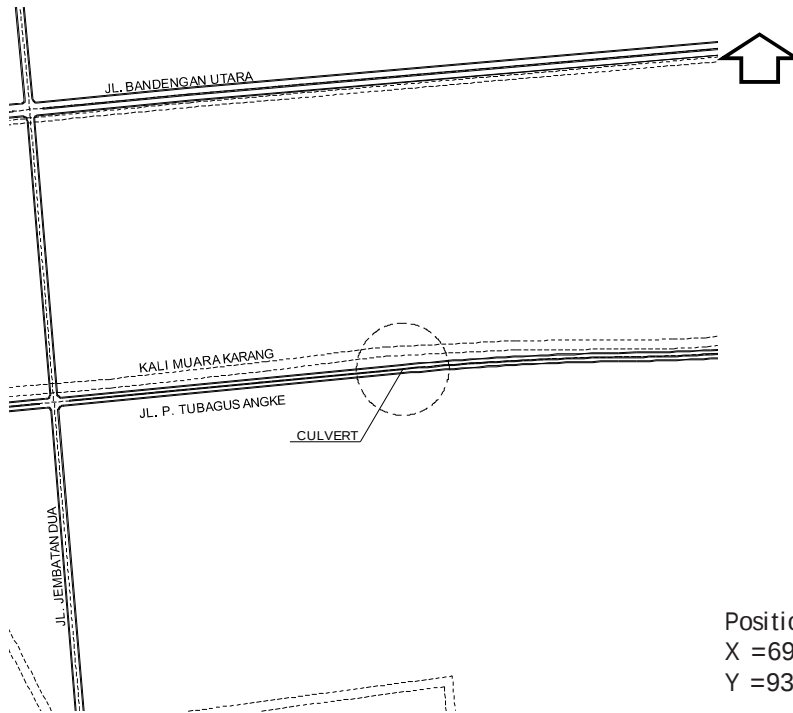


### FOTO



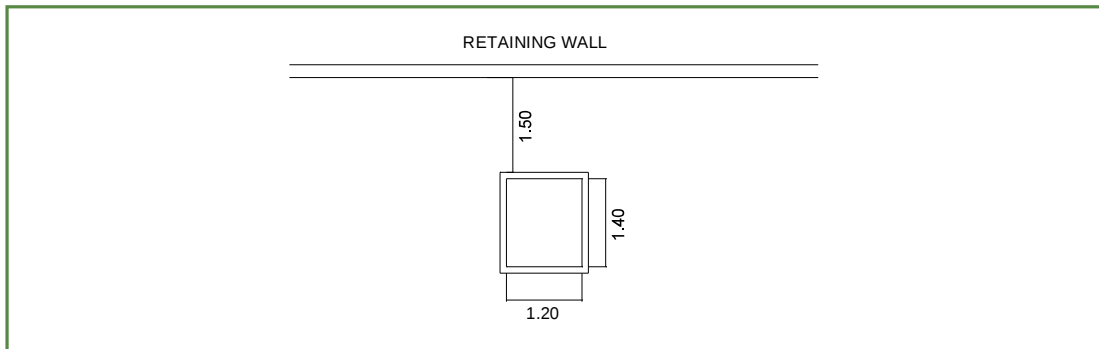
## 19-1. DETAIL OF CULVERT IN JL. P. TUBAGUS ANGKE

### LAYOUT



Position :  
X =699213.102  
Y =9320743.462

### SKETCH

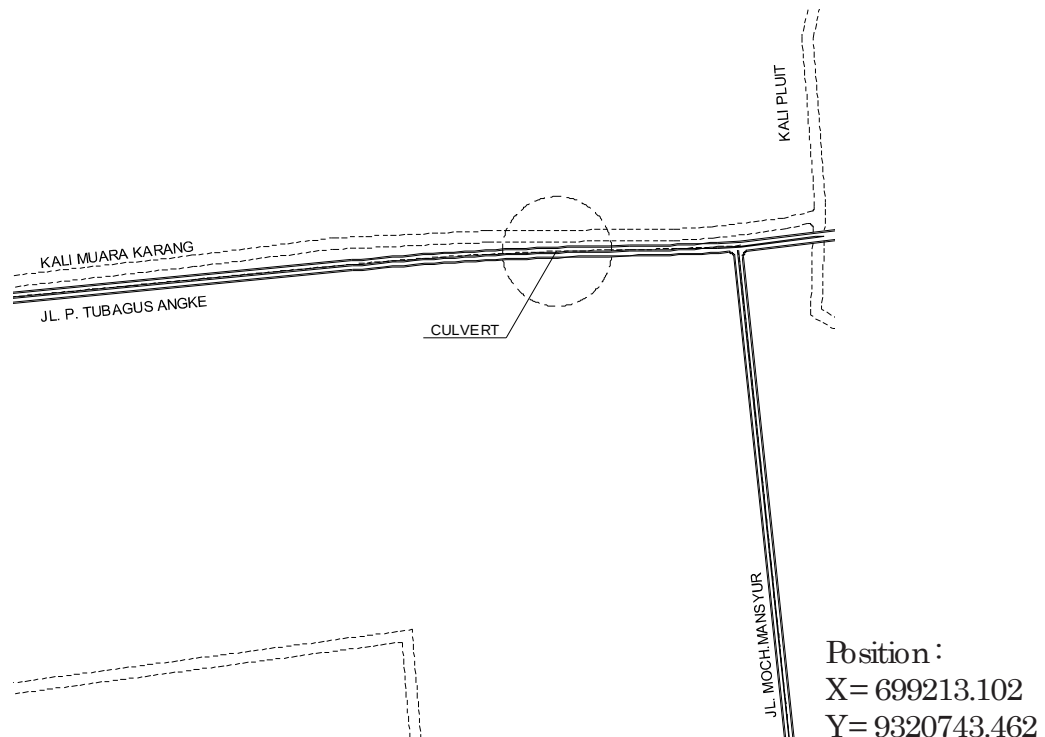


### FOTO

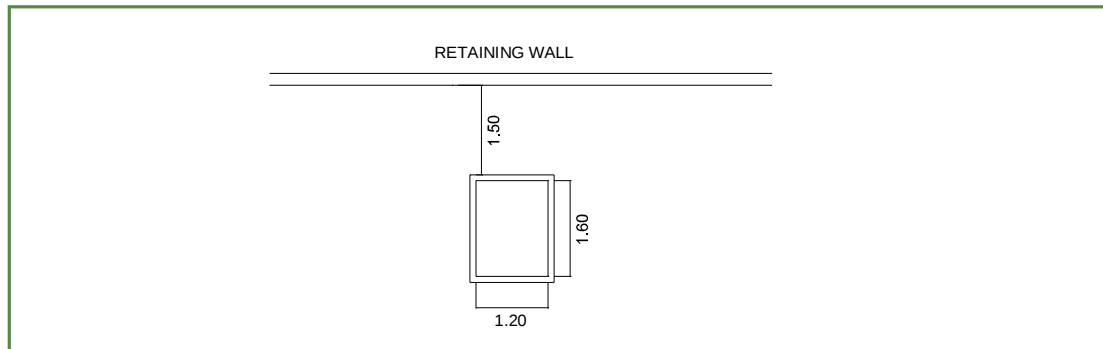


## 19-2. DETAIL OF CULVERT IN JL. P. TUBAGUS ANGKE

### LAYOUT



### SKETCH

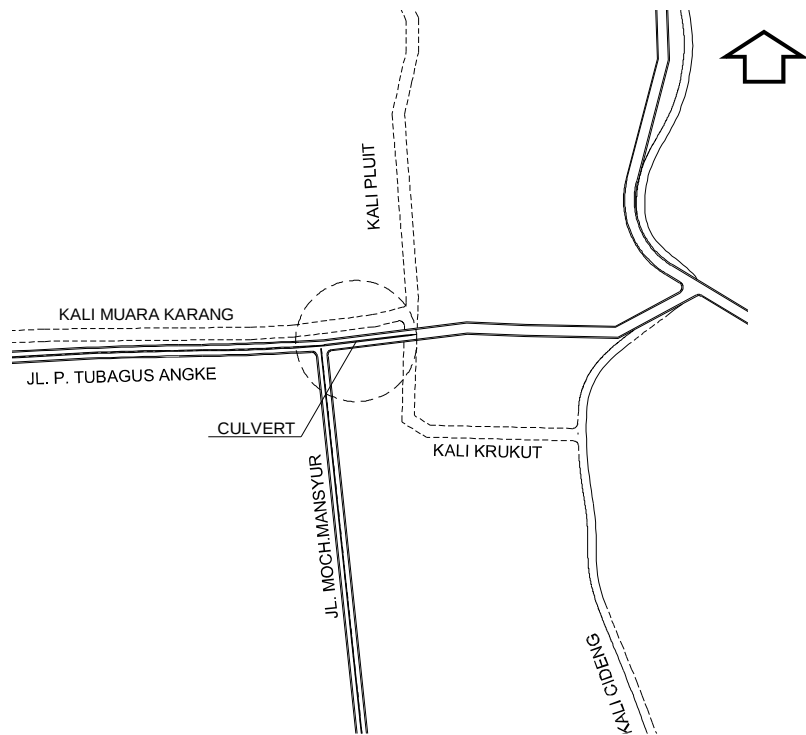


### FOTO



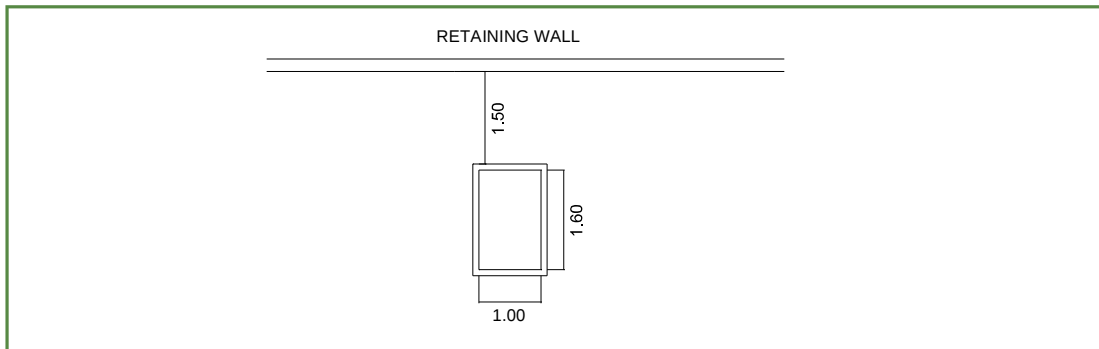
### 19-3. DETAIL OF CULVERT IN JL. P. TUBAGUS ANGKE

#### LAYOUT



Position :  
 X= 699972.856  
 Y= 9320785.530

#### SKETCH

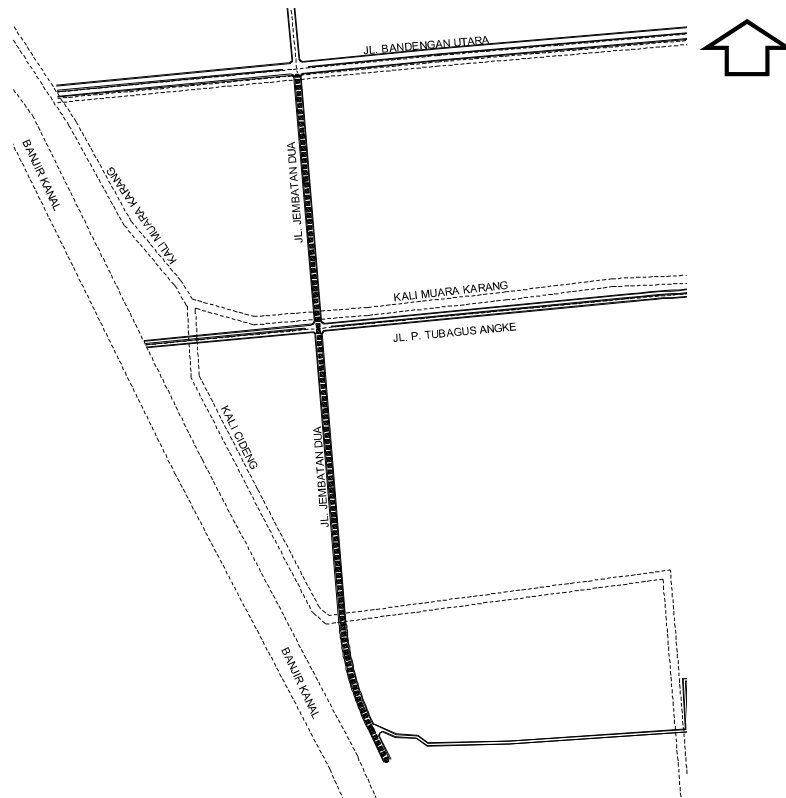


#### FOTO

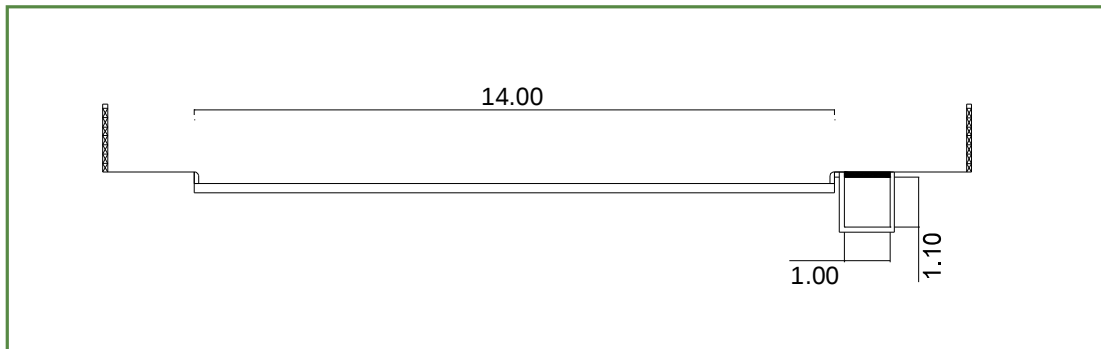


## 20. DETAIL OF JL. JEMBATAN DUA

### LAYOUT



### SKETCH

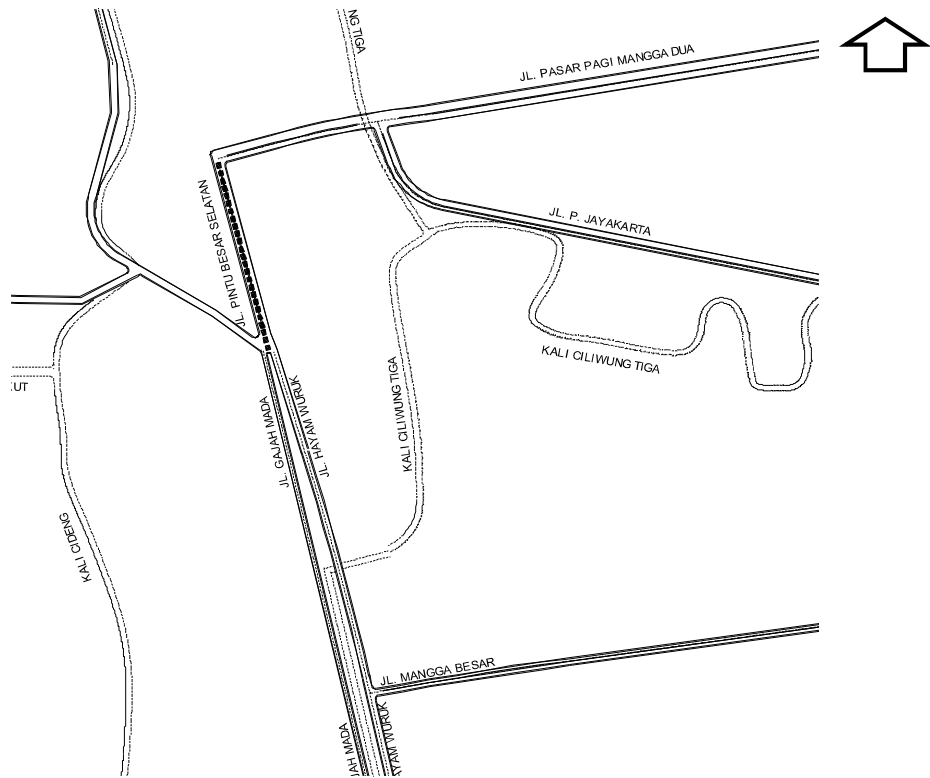


### FOTO

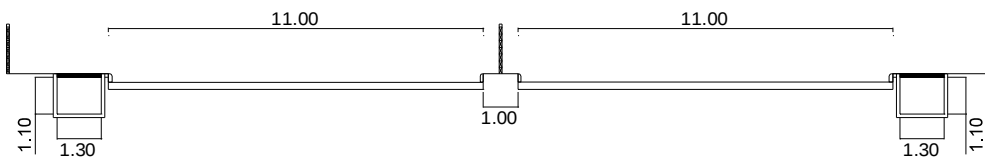


## 22. DETAIL OF JL. PINTU BESAR SELATAN

### LAYOUT



### SKETCH

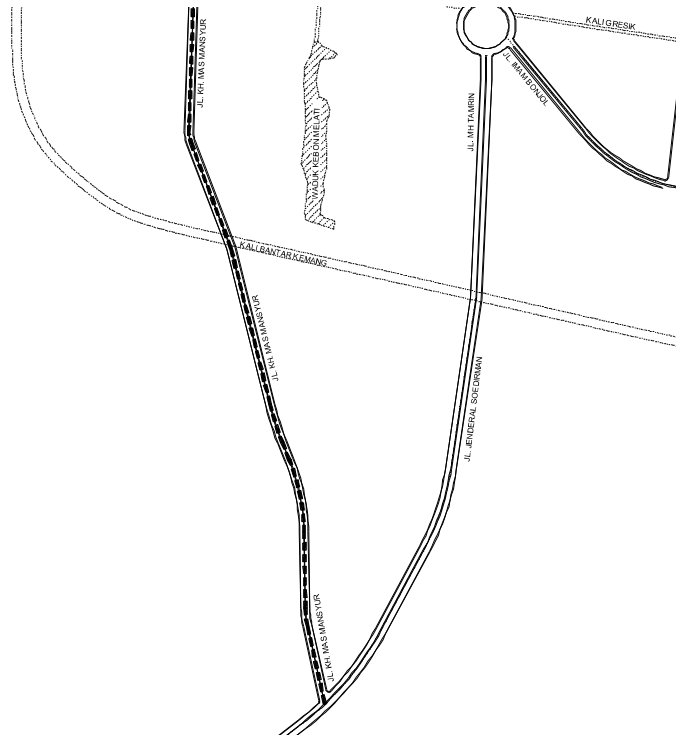


### FOTO

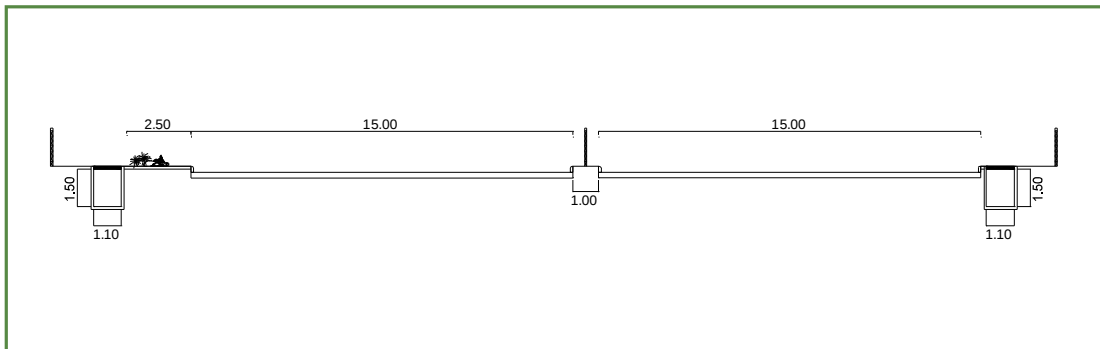


## 23-1. DETAIL OF JL. KH. MAS MANSYUR (TYPE-1)

### LAYOUT



### SKETCH

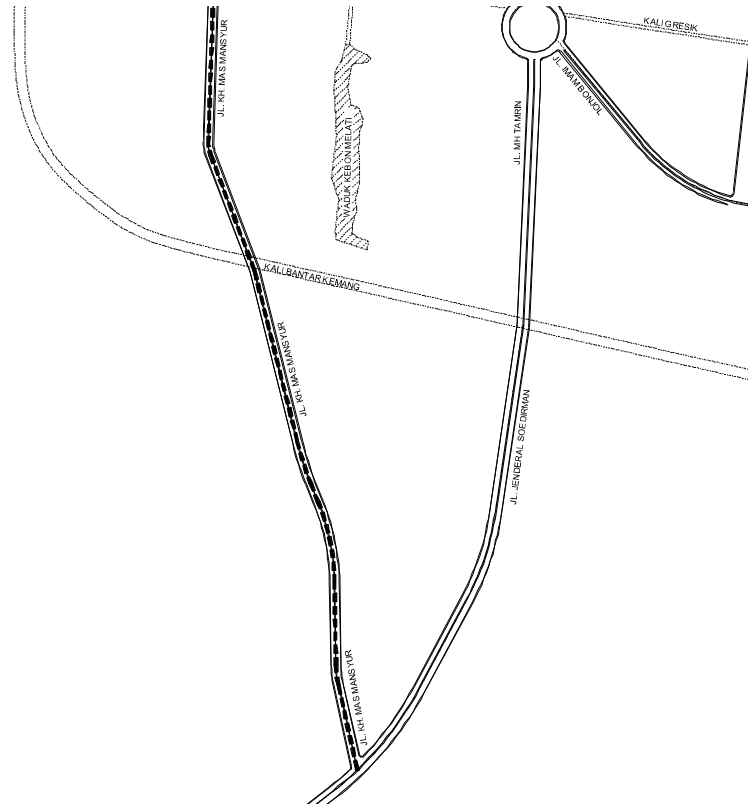


### FOTO

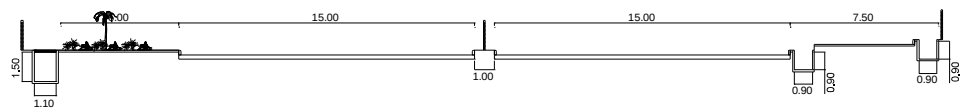


## 23-2. DETAIL OF JL. KH. MAS MANSYUR (TYPE-2)

### LAYOUT



### SKETCH



### FOTO



## LAYOUT

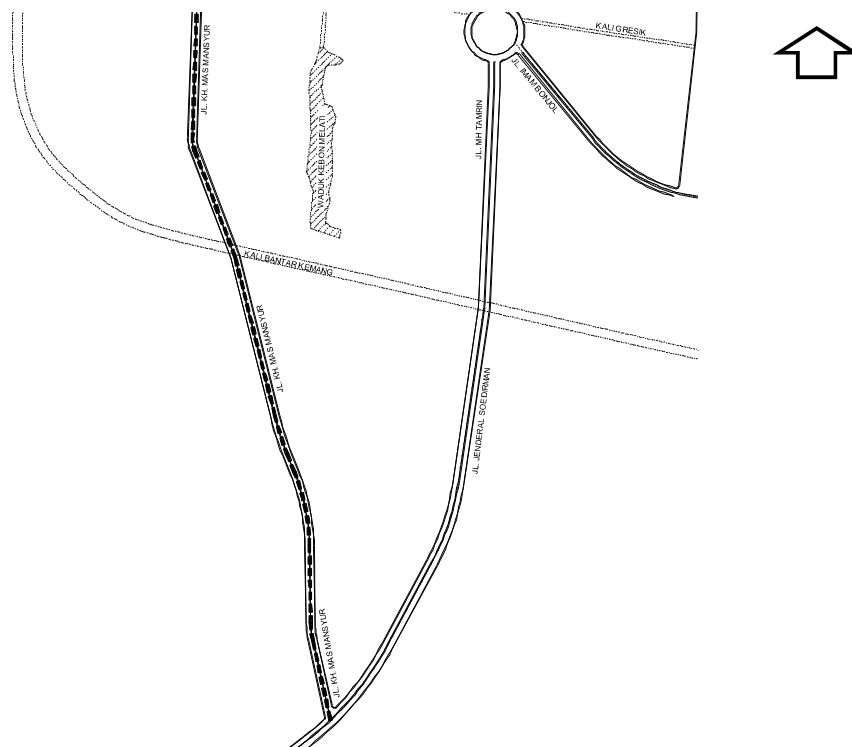


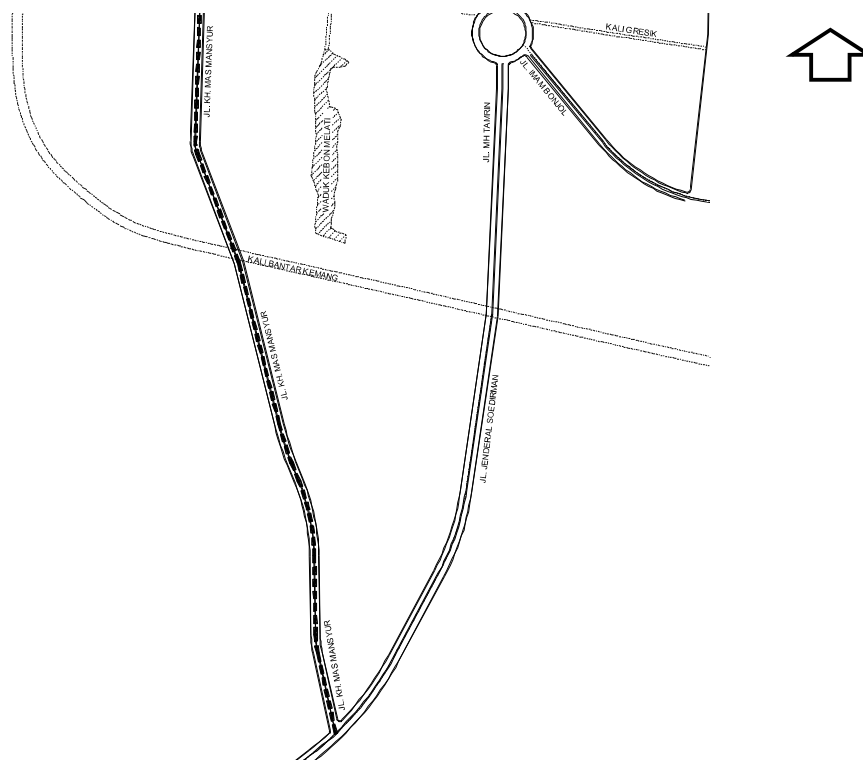
Diagram illustrating the plan view of a flyover bridge structure. The bridge consists of a central section labeled "FLYOVER" and two side sections. The dimensions are as follows:

- Left side section width: 1.10
- Left side section depth: 1.50
- Distance from left side section to flyover: 10.00
- Distance from flyover to right side section: 10.00
- Right side section width: 1.10
- Right side section depth: 1.50

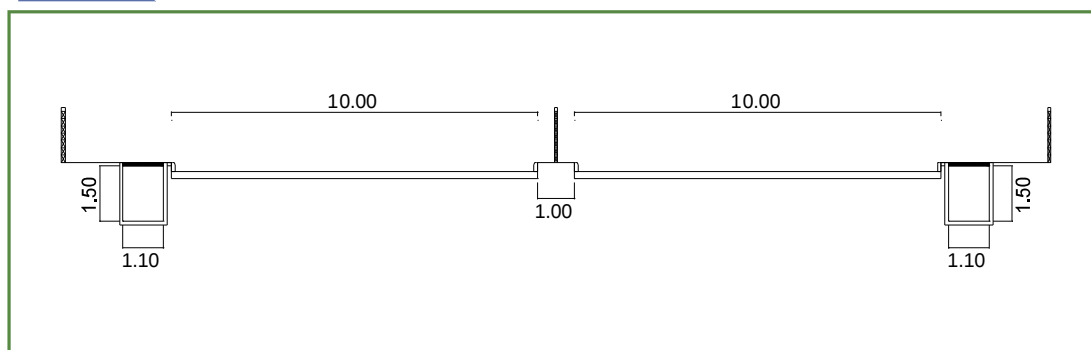
The diagram shows lane markings and a central flyover structure.

#### 23-4. DETAIL OF JL. KH. MAS MANSYUR (TYPE-4)

## LAYOUT



### SKETCH



**FOTO**

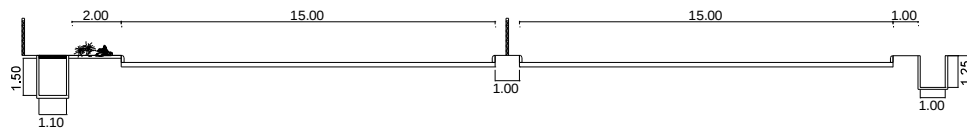


## 23-5. DETAIL OF JL. KH. MAS MANSYUR (TYPE-5)

LAYOUT



SKETCH

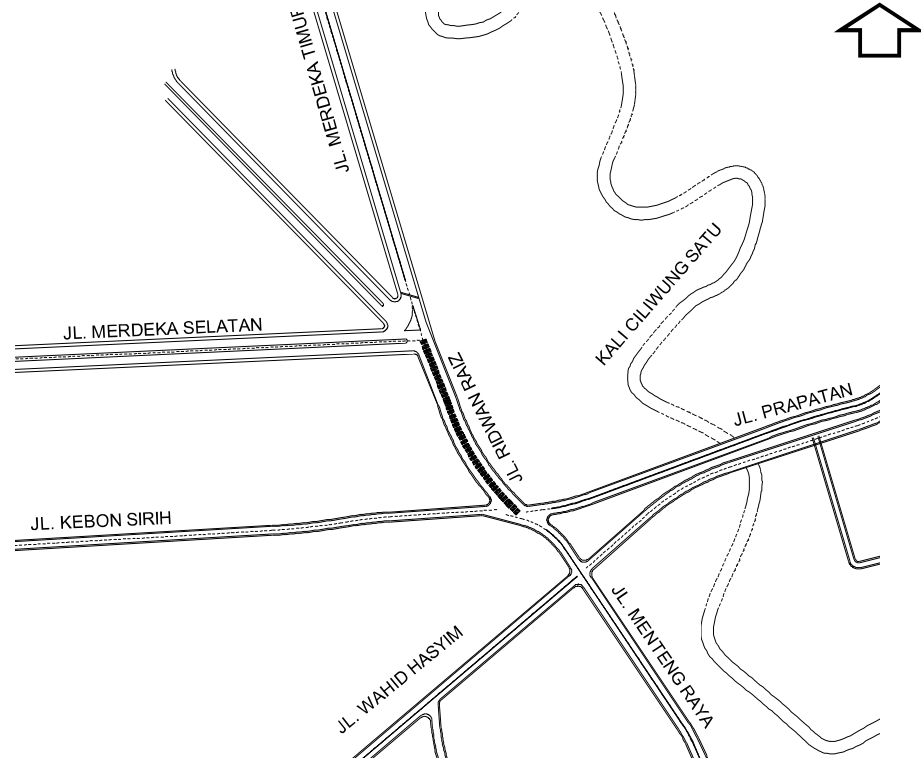


FOTO

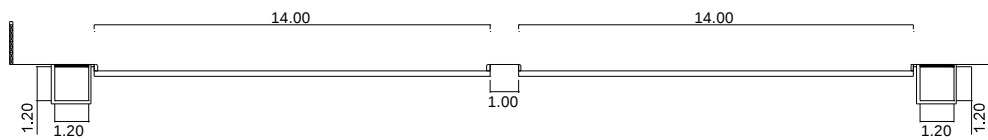


## 27. DETAIL OF JL. RIDWAN RAIZ

### LAYOUT



### SKETCH

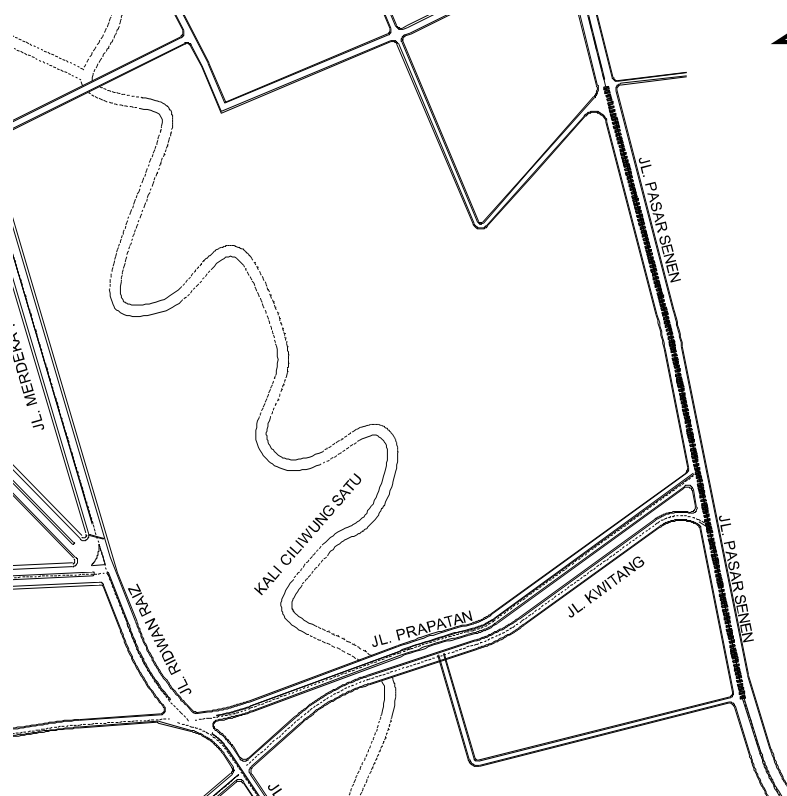


### FOTO

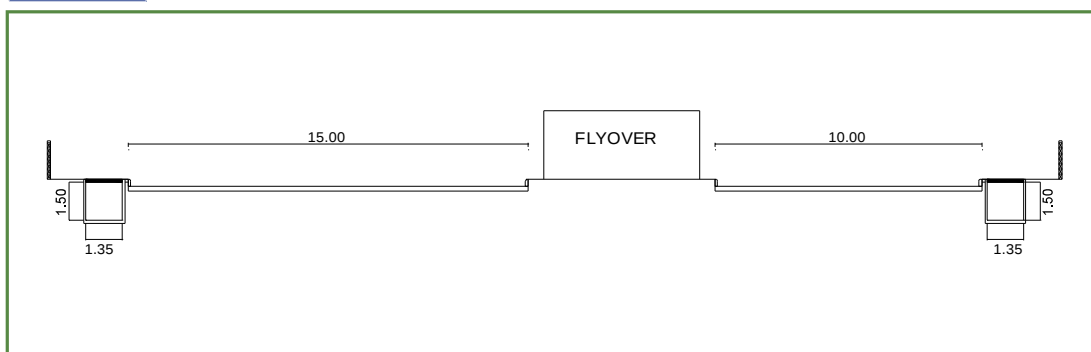


## 28. DETAIL OF JL. PASAR SENEN

### LAYOUT



### SKETCH

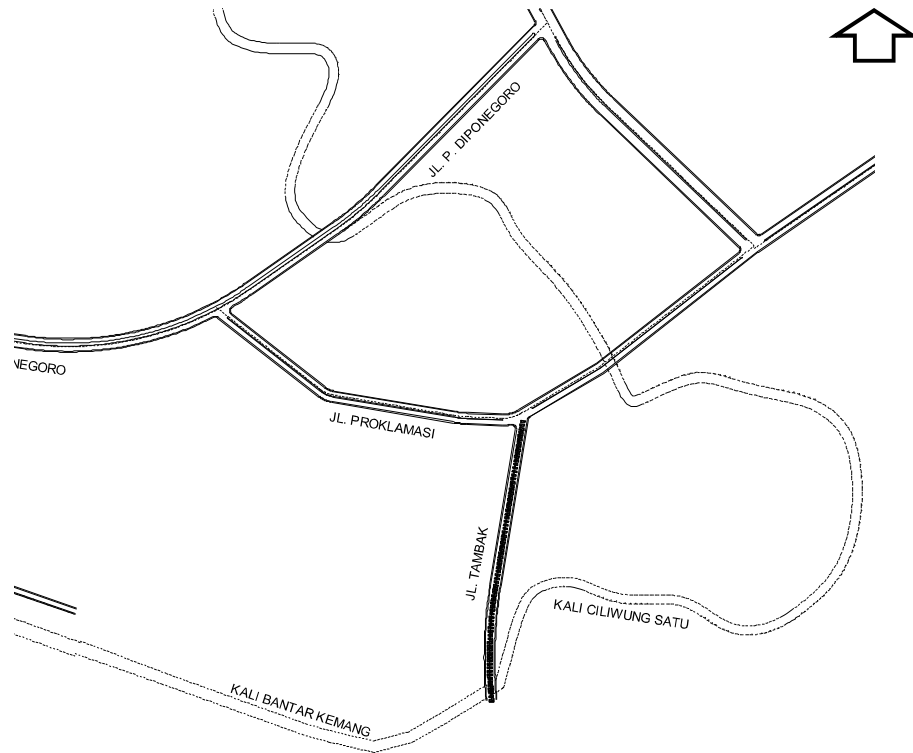


### FOTO

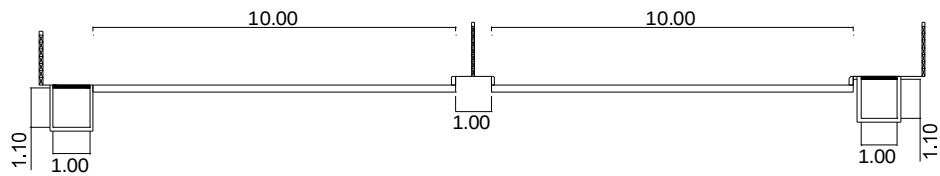


## 29. DETAIL OF JL. TAMBAK

### LAYOUT



### SKETCH

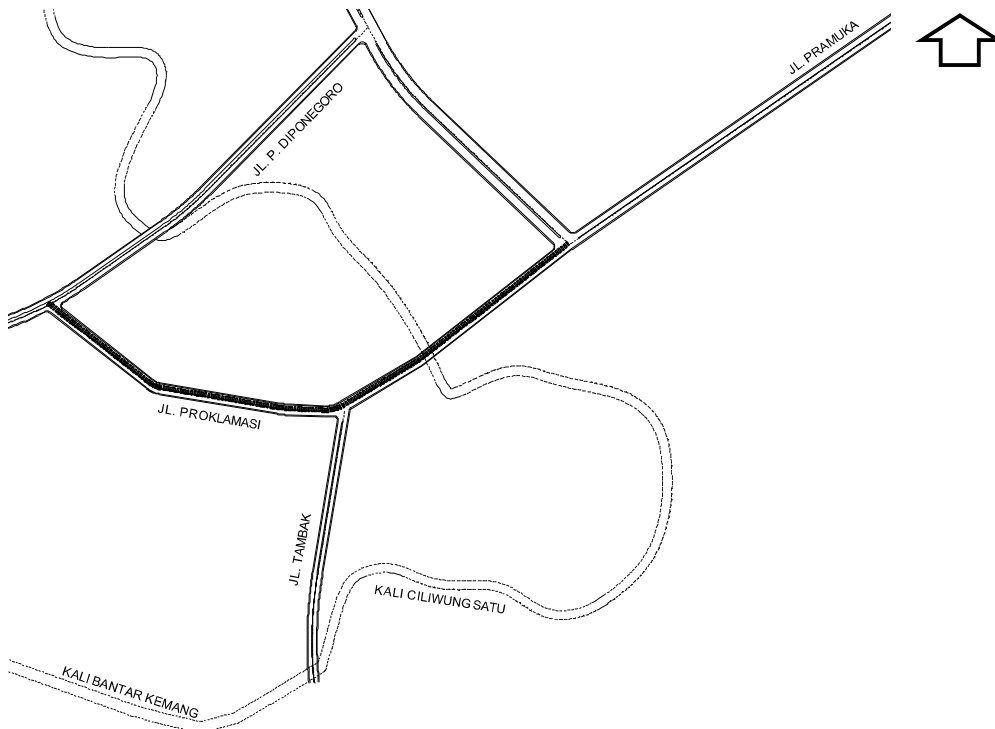


### FOTO

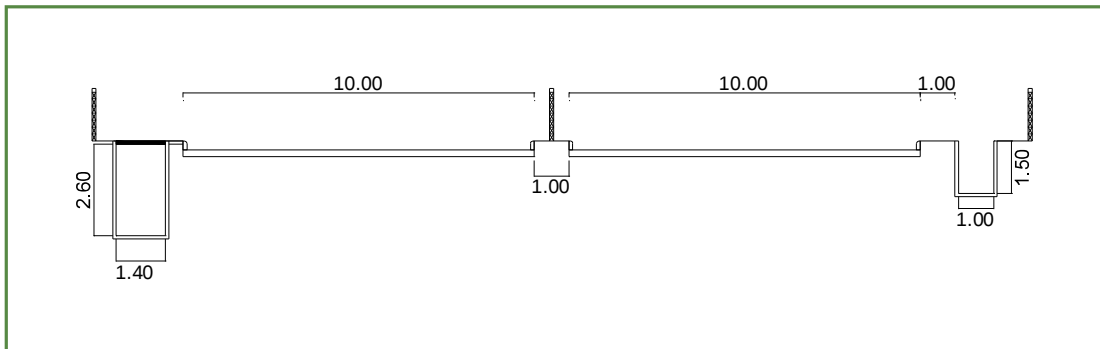


### 30. DETAIL OF JL. PROKLAMASI

#### LAYOUT



#### SKETCH

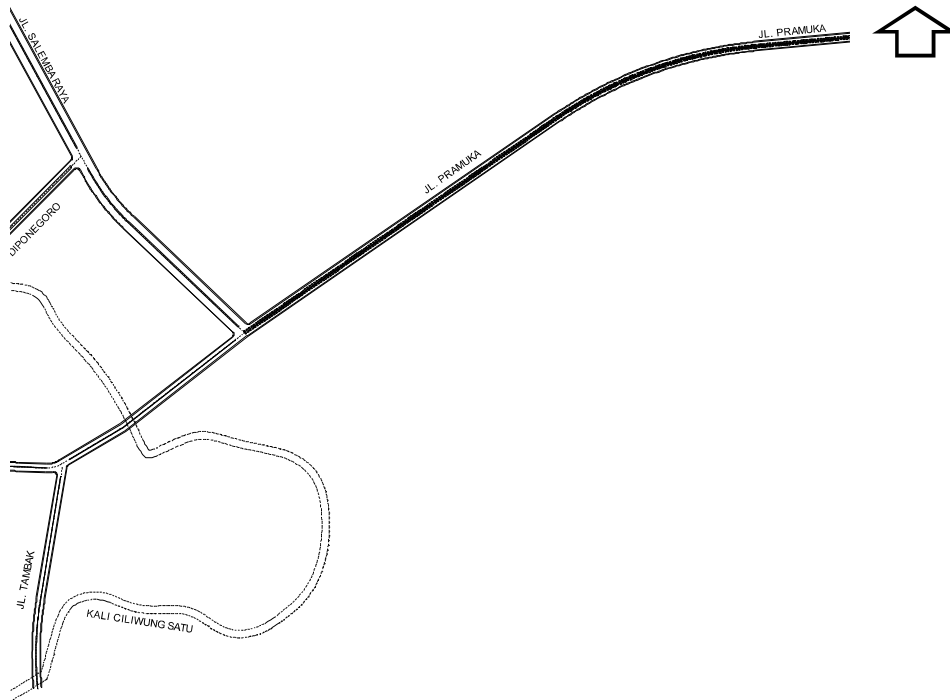


#### FOTO

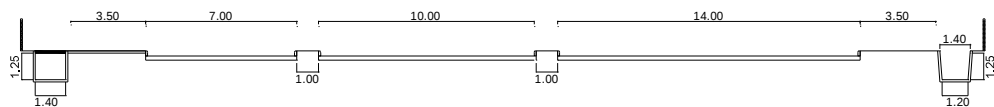


### 31-1. DETAIL OF JL. PRAMUKA (TYPE-1)

#### LAYOUT



#### SKETCH

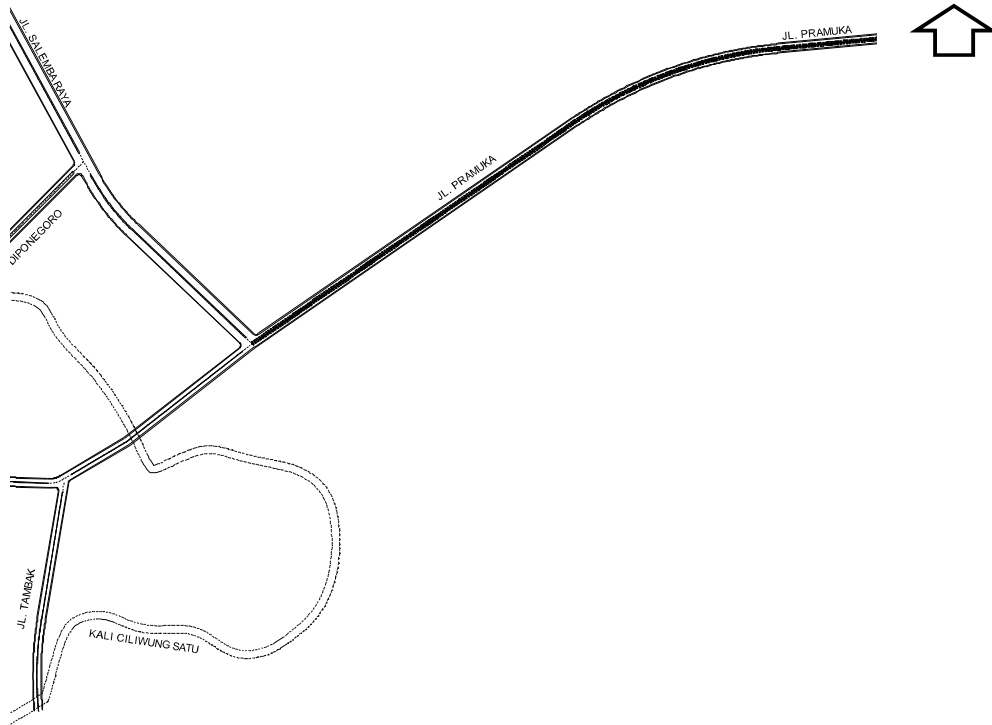


#### FOTO

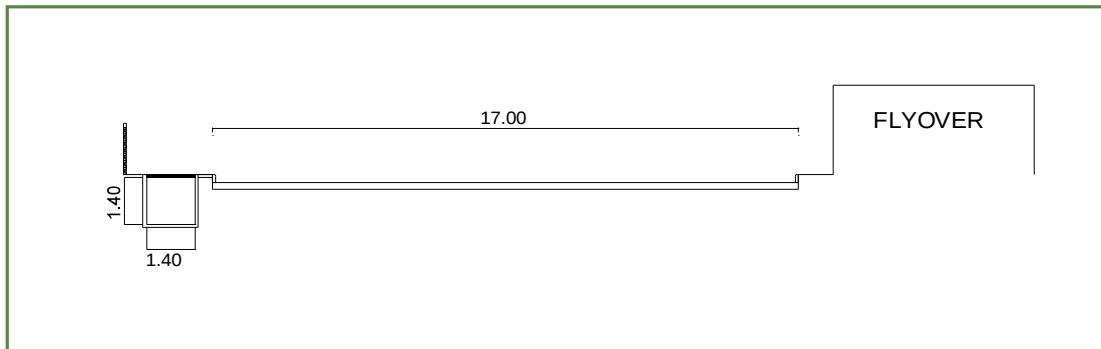


## 31-2. DETAIL OF JL. PRAMUKA (TYPE-2)

### LAYOUT



### SKETCH



### FOTO

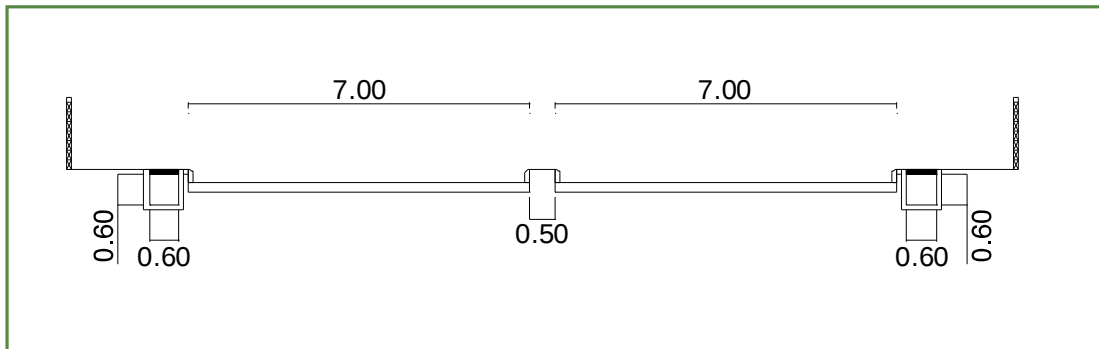


### 32-1. DETAIL OF JL. KH. ZAINULARIFIN (TYPE-1)

#### LAYOUT



#### SKETCH

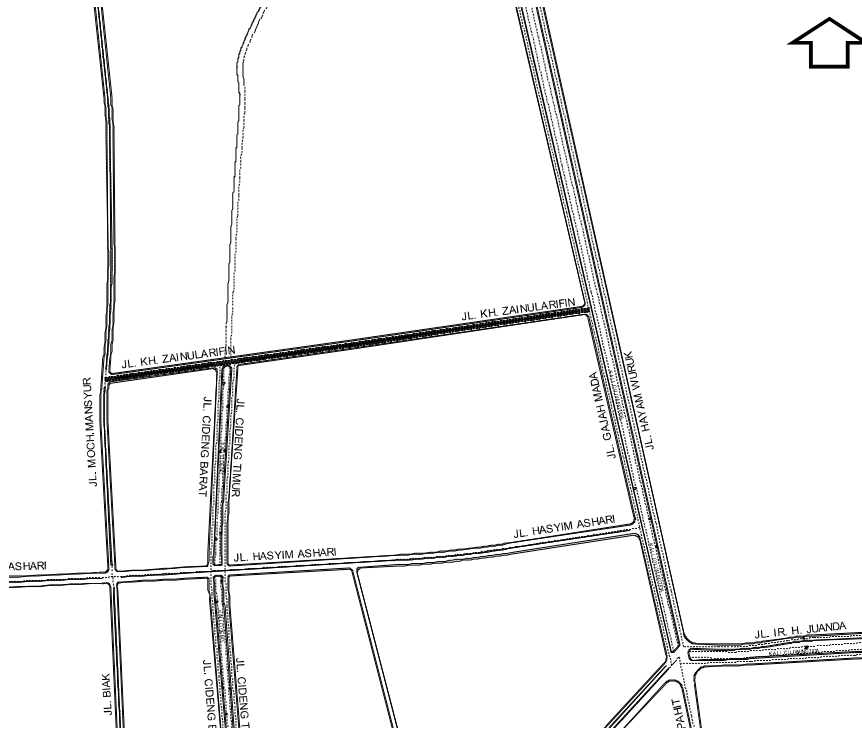


#### FOTO

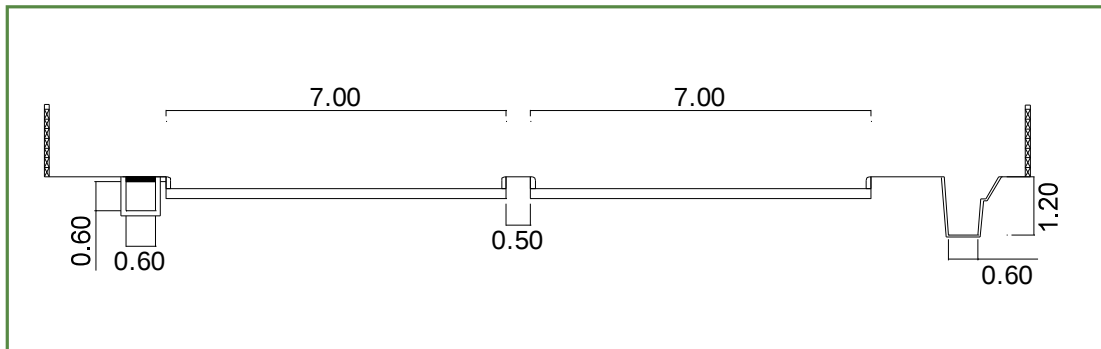


## 32-2. DETAIL OF JL. KH. ZAINUL ARIFIN (TYPE-2)

### LAYOUT



### SKETCH



### FOTO

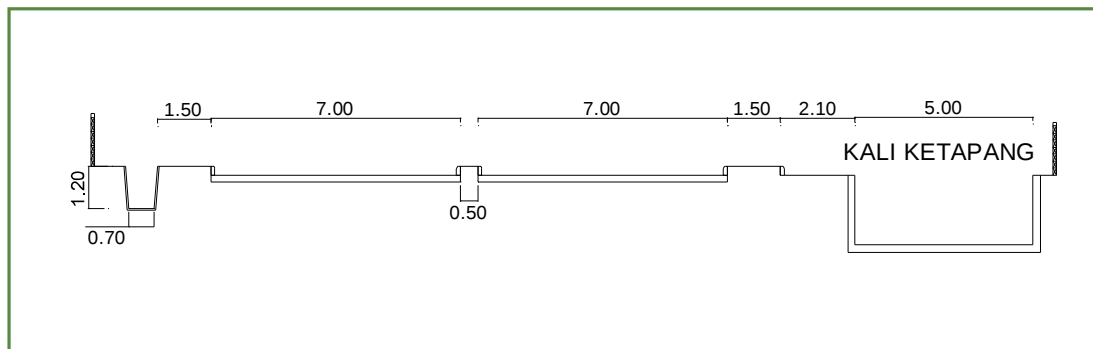


### 32-3. DETAIL OF JL. KH. ZAINULARIFIN (TYPE-3)

#### LAYOUT



#### SKETCH



#### FOTO

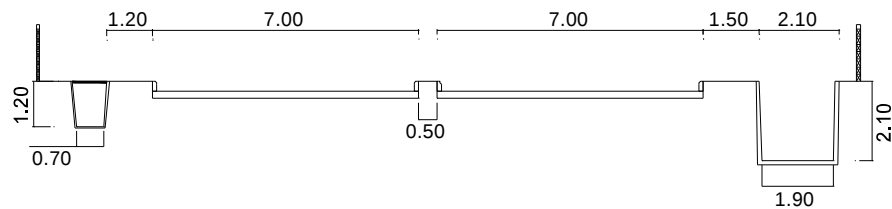


### 32-4. DETAIL OF JL. KH. ZAINUL ARIFIN (TYPE-4)

#### LAYOUT



#### SKETCH



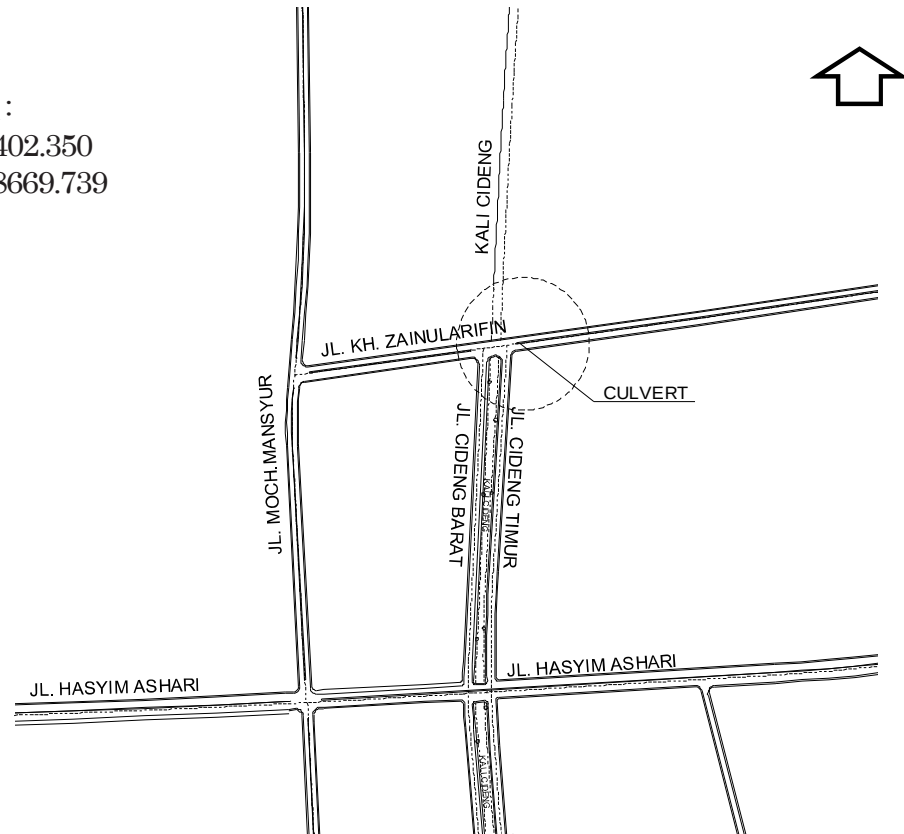
#### FOTO



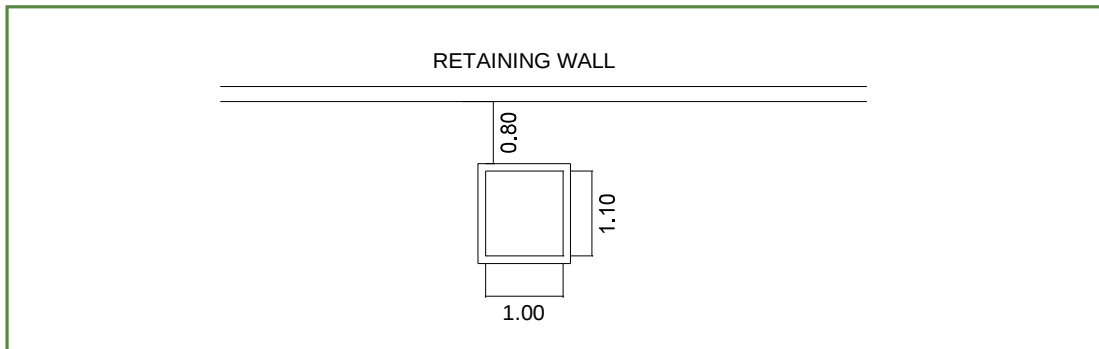
### 32-4. DETAIL OF CULVERT IN JL. KH. ZAINUL ARIFIN

#### LAYOUT

Position :  
 X= 700402.350  
 Y= 9318669.739



#### SKETCH

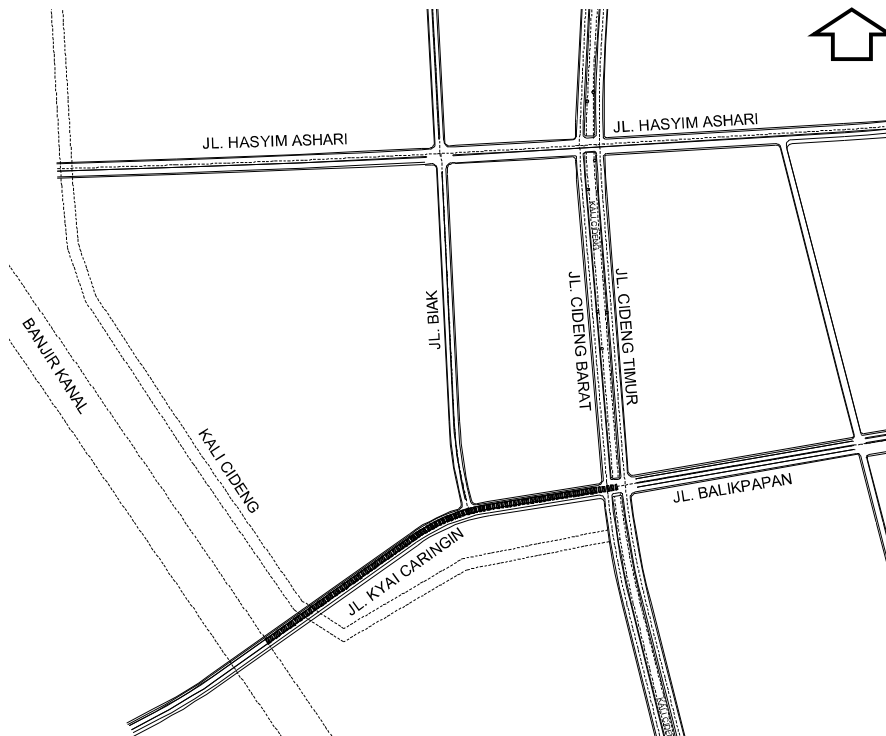


#### FOTO

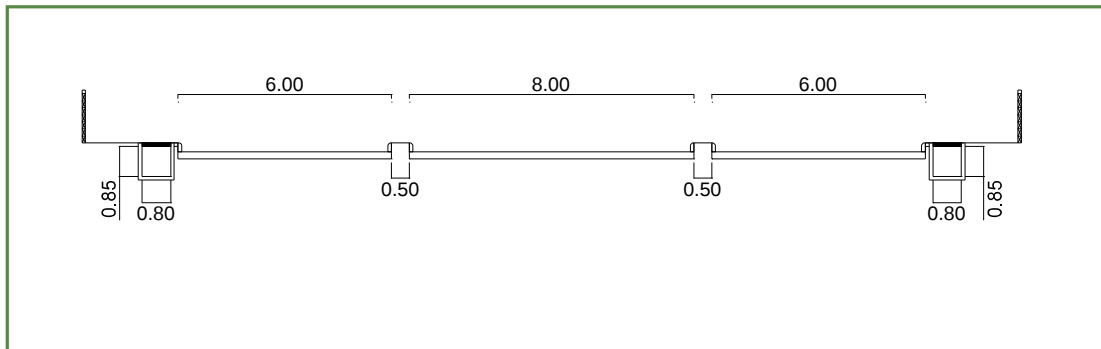


### 34. DETAIL OF JL. KYAI CARINGIN

#### LAYOUT



#### SKETCH

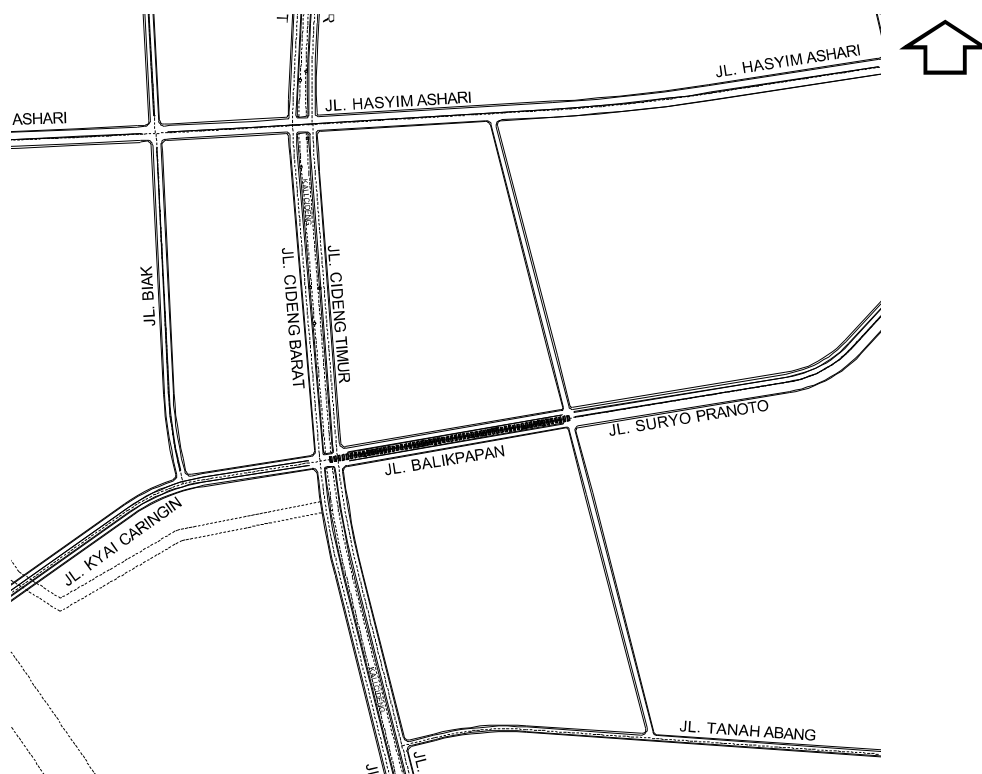


#### FOTO

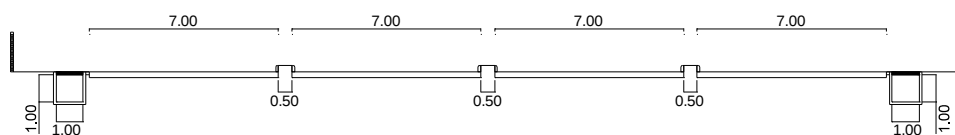


### 35. DETAIL OF JL. BALIKPAPAN

#### LAYOUT



#### SKETCH

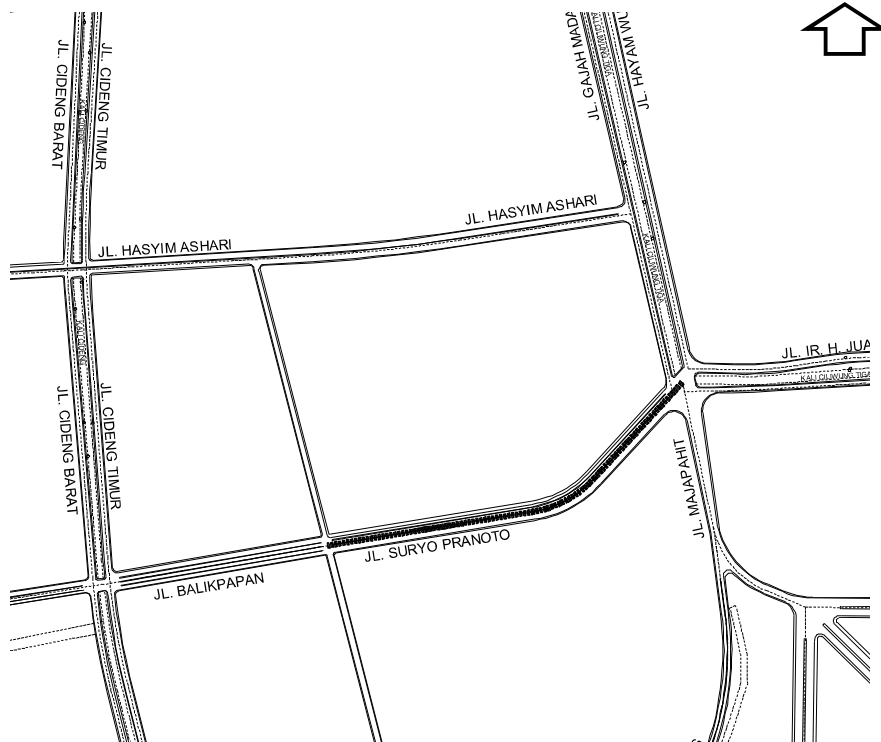


#### FOTO

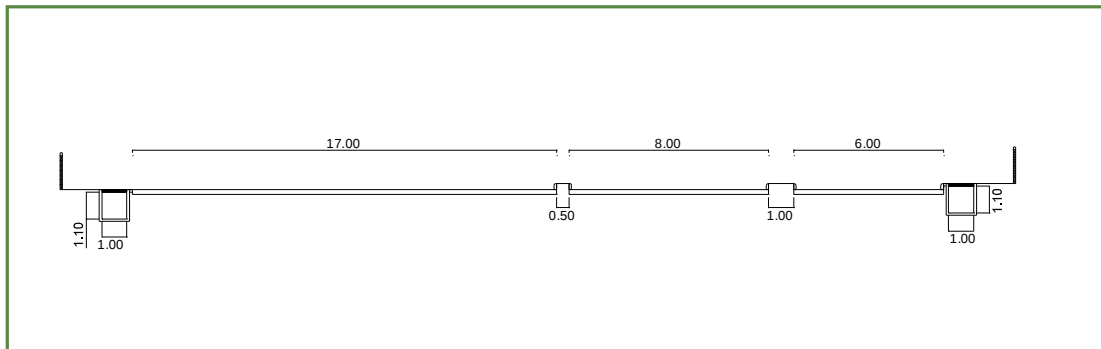


### 36. DETAIL OF JL. SURYOPRANOTO

#### LAYOUT



#### SKETCH

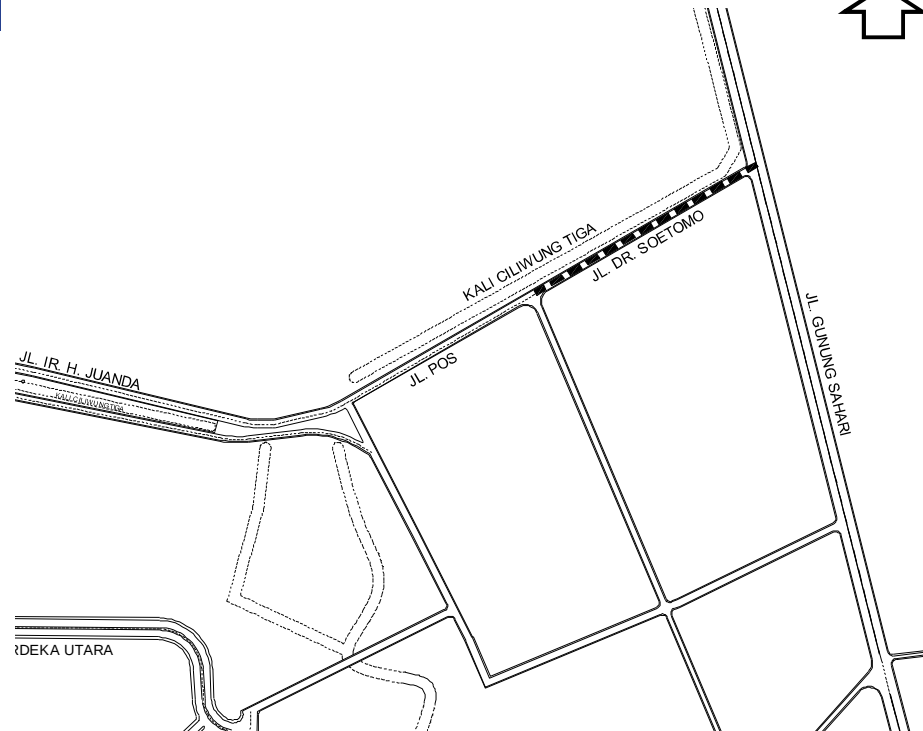


#### FOTO

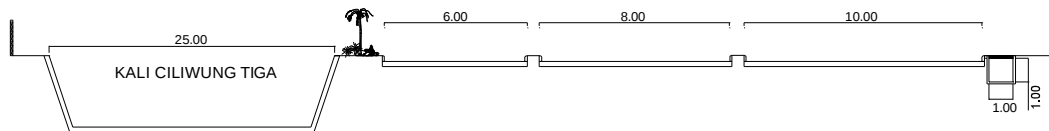


## 40. DETAIL OF JL. DR. SUTOMO

## LAYOUT



## SKETCH

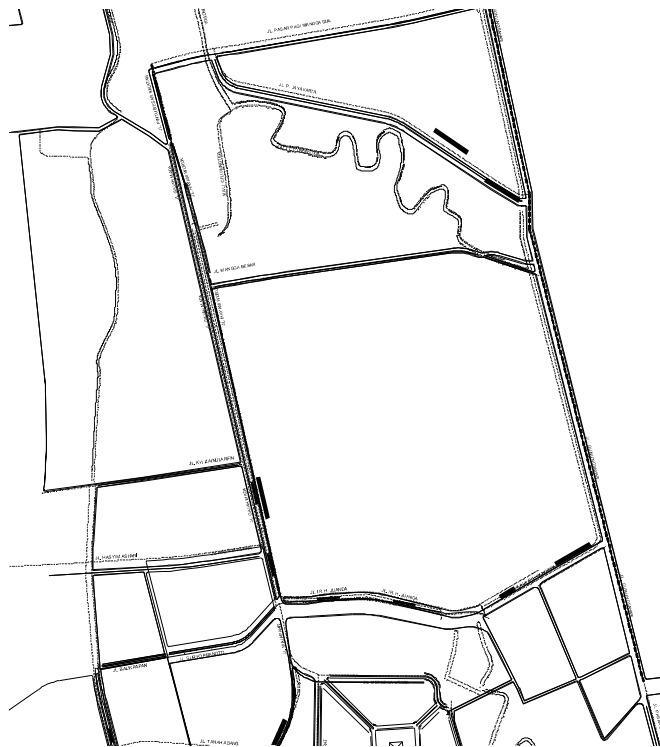


## FOTO

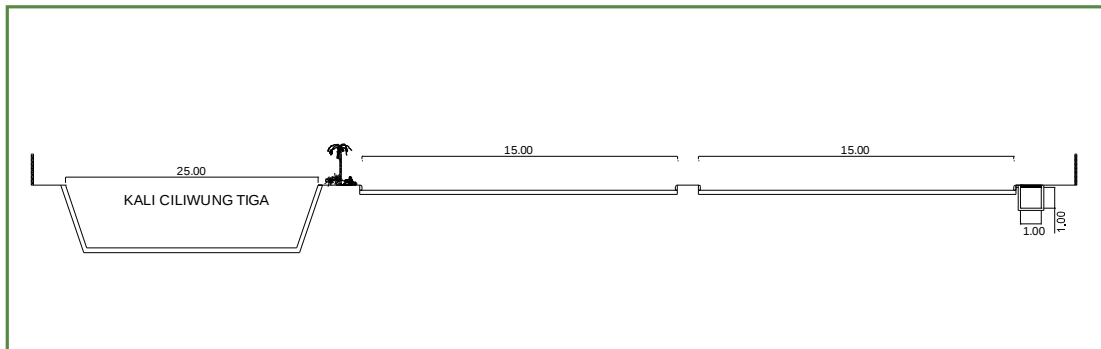


## 41. DETAIL OF JL. GUNUNG SAHARI

### LAYOUT



### SKETCH



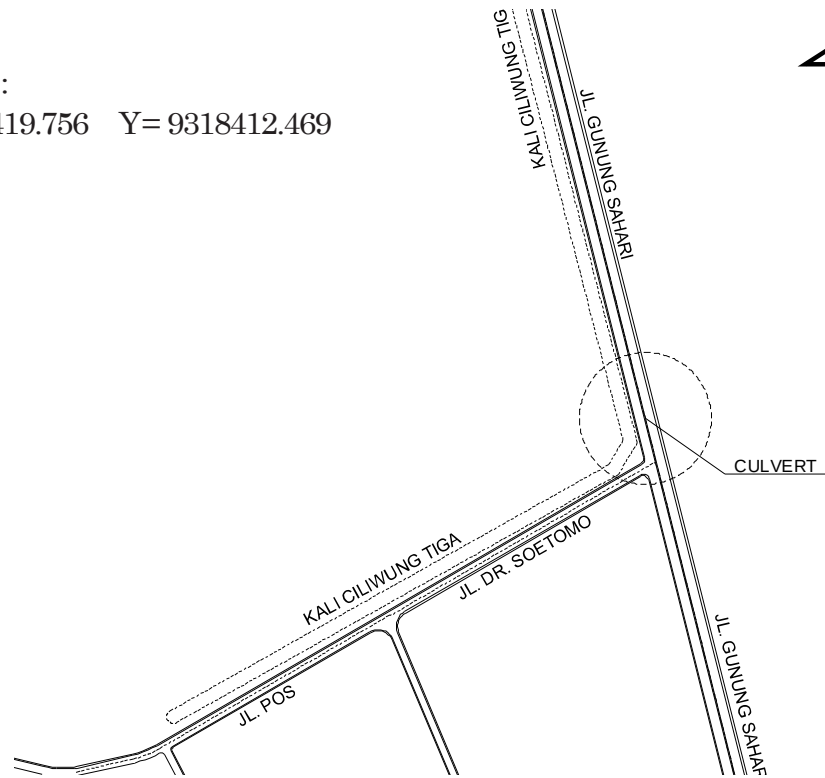
### FOTO



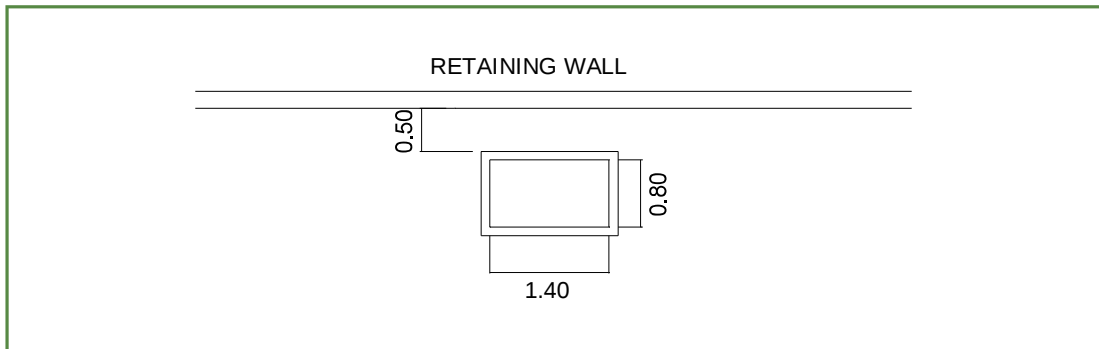
#### 41-1. DETAIL OF CULVERT IN JL. GUNUNG SAHARI

##### LAYOUT

Position :  
X= 703419.756 Y= 9318412.469



##### SKETCH

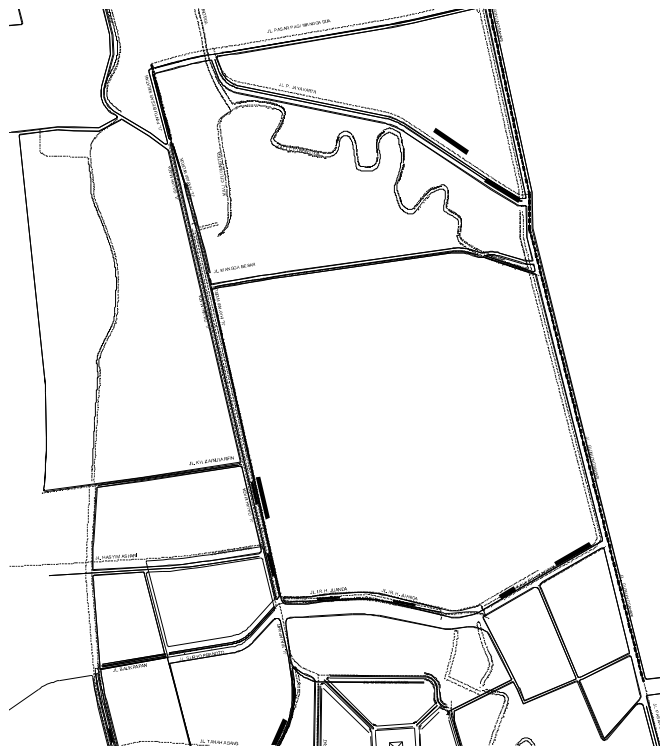


##### FOTO

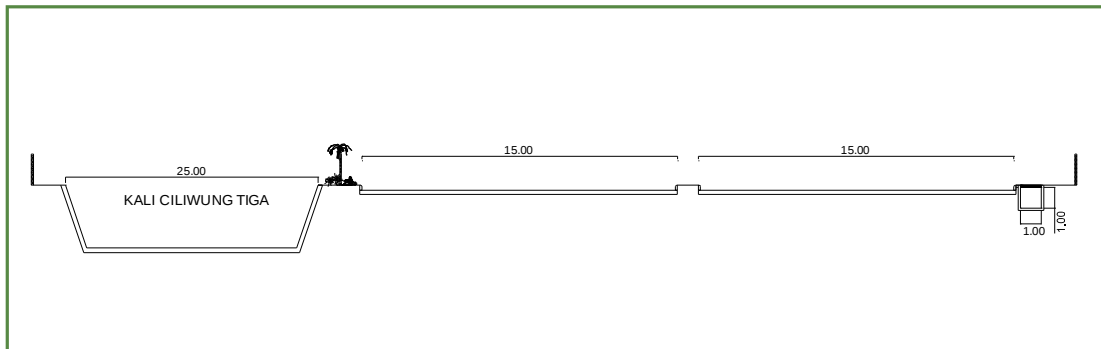


## 41. DETAIL OF JL. GUNUNG SAHARI

### LAYOUT



### SKETCH

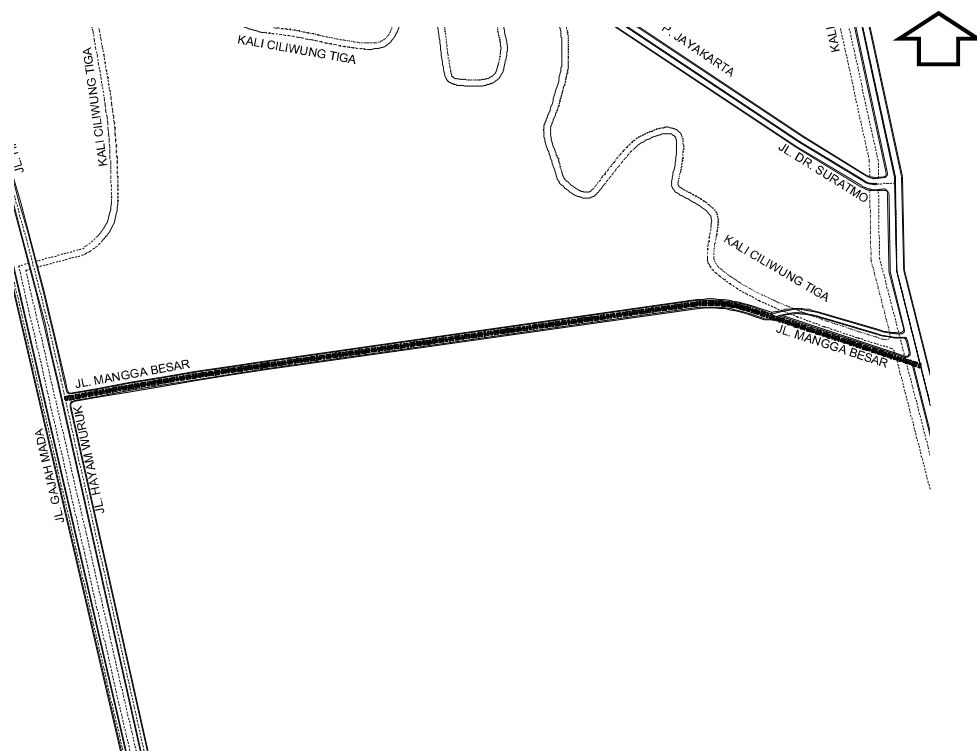


### FOTO

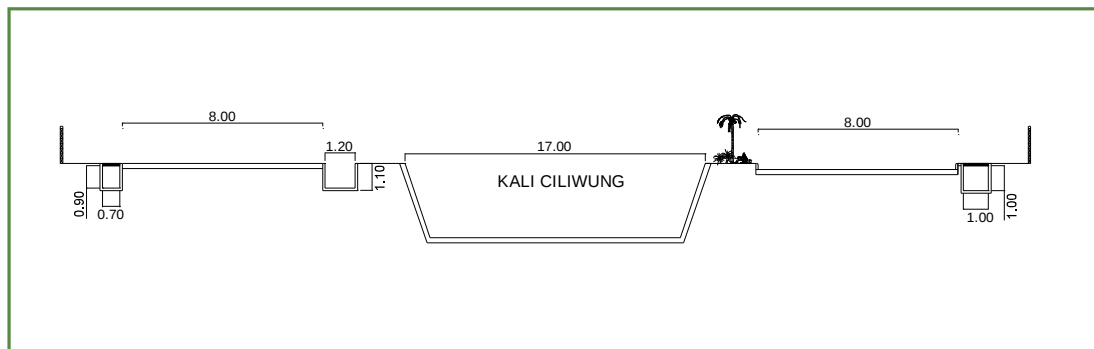


## 42-1. DETAIL OF JL. MANGGA BESAR (TYPE-1)

### LAYOUT



### SKETCH

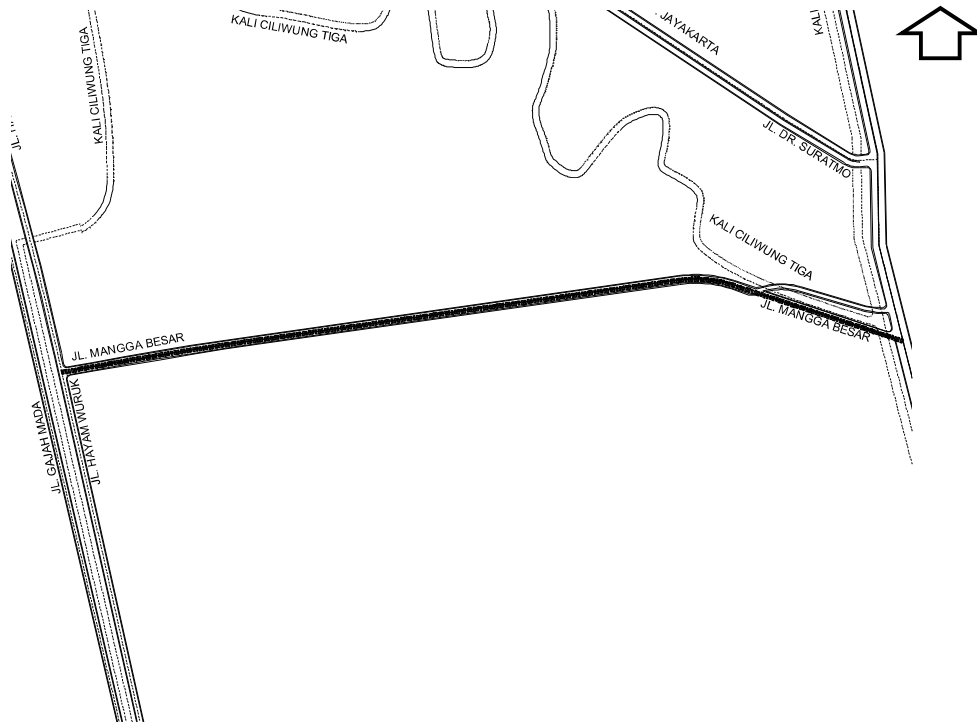


### FOTO

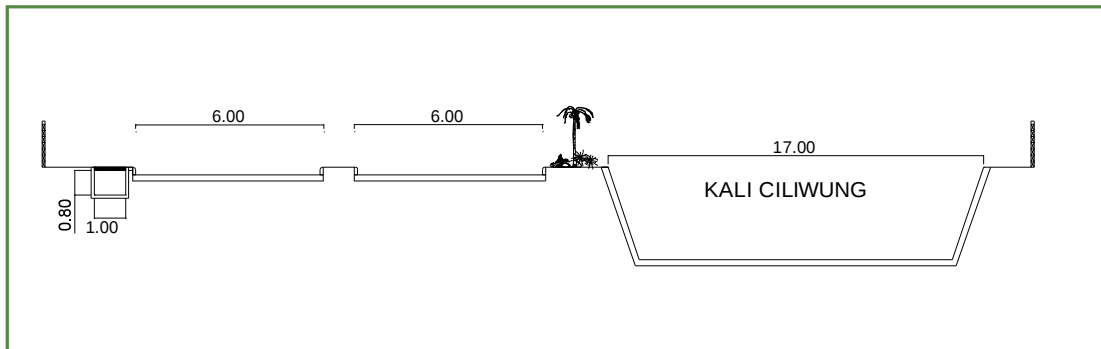


## 42-2. DETAIL OF JL. MANGGA BESAR (TYPE-2)

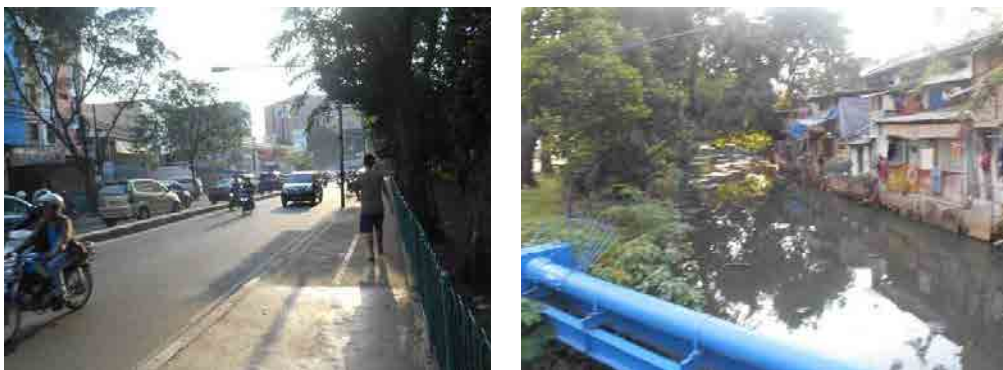
### LAYOUT



### SKETCH

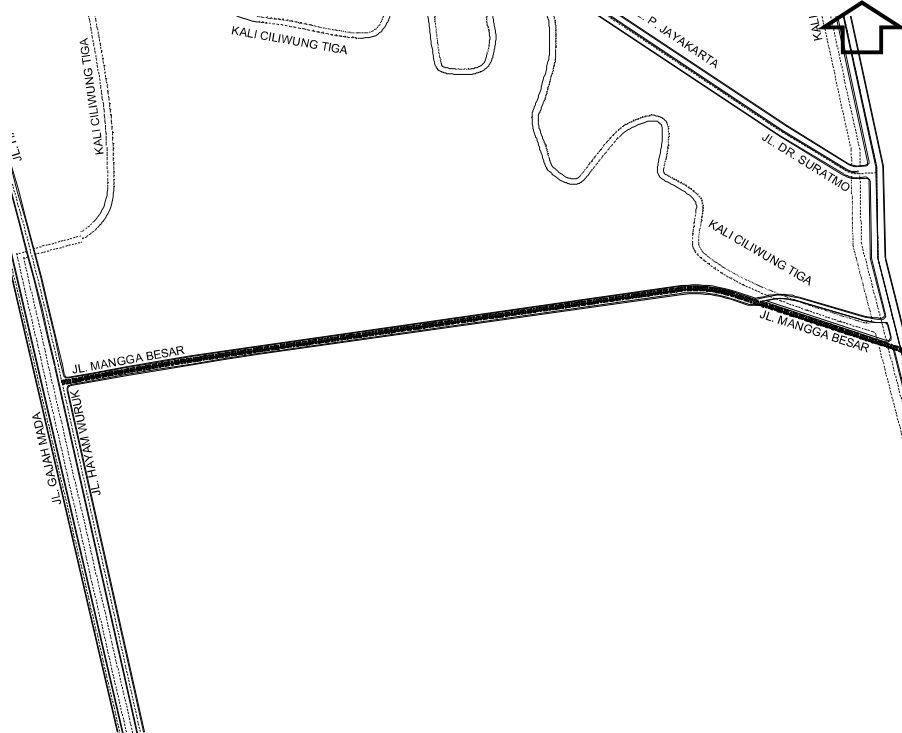


### FOTO

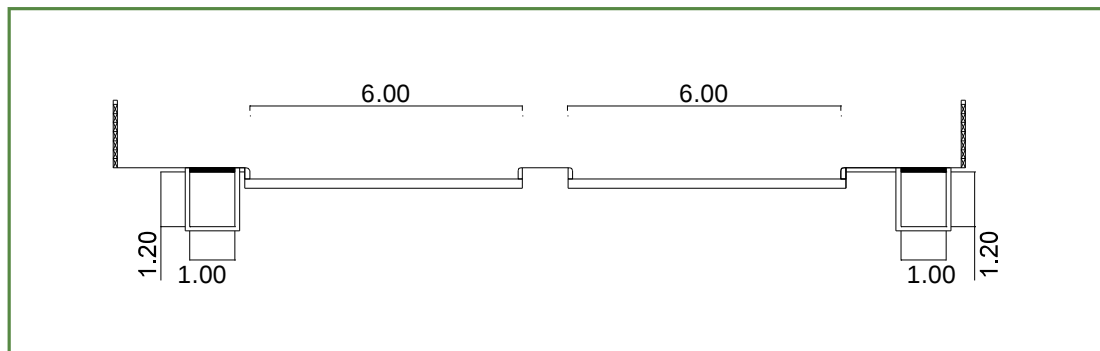


### 42-3. DETAIL OF JL. MANGGA BESAR (TYPE-3)

#### LAYOUT



#### SKETCH

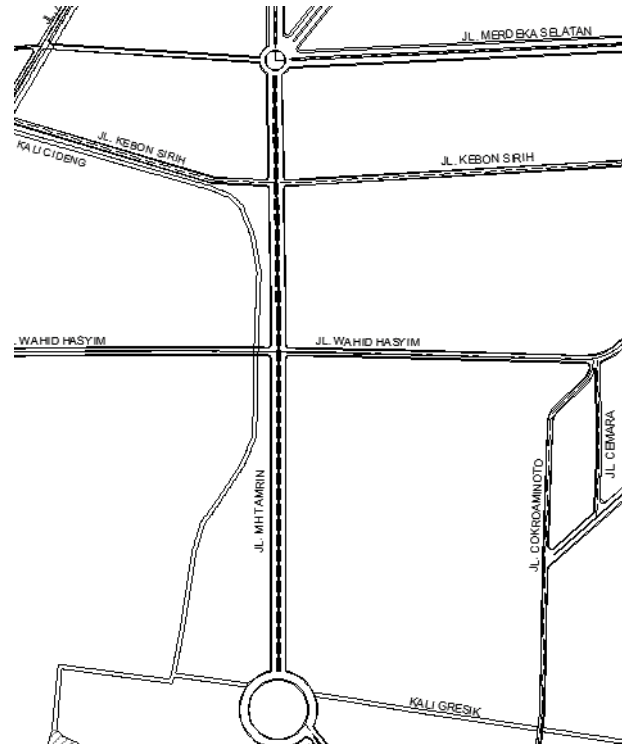


#### FOTO

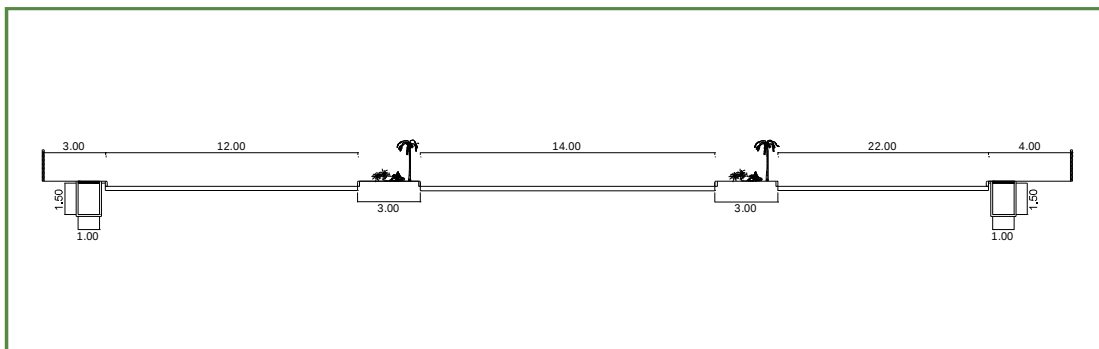


### 43. DETAIL OF JL. MH. THAMRIN

#### LAYOUT



#### SKETCH

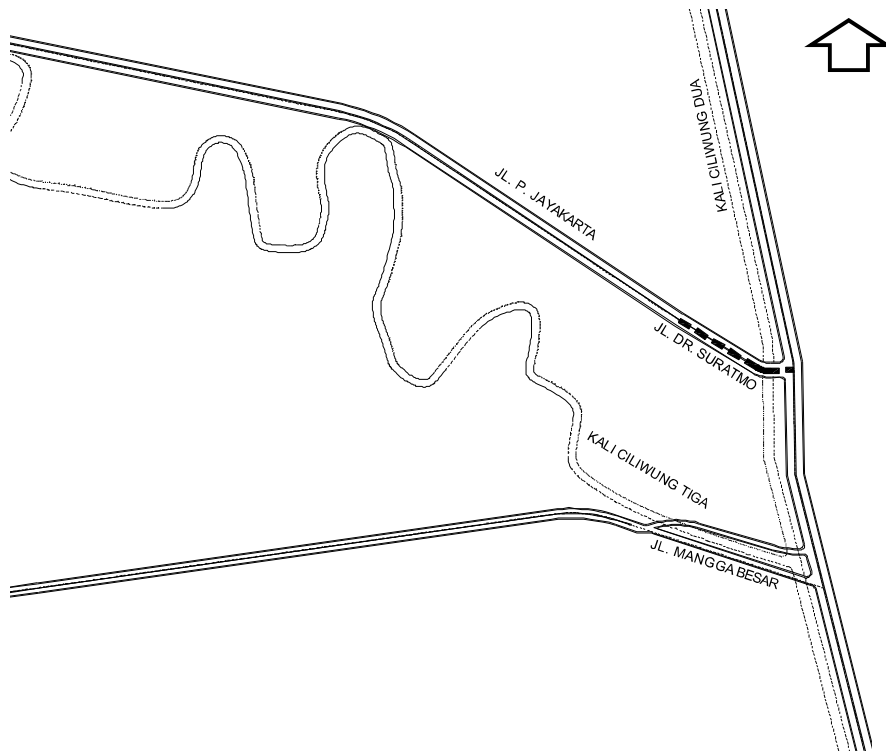


#### FOTO

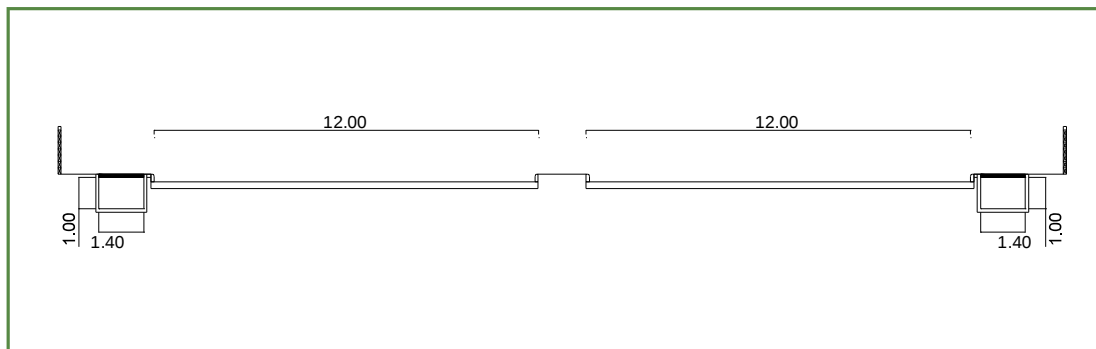


#### 45. DETAIL OF JL. DR. SURATMO

##### LAYOUT



##### SKETCH

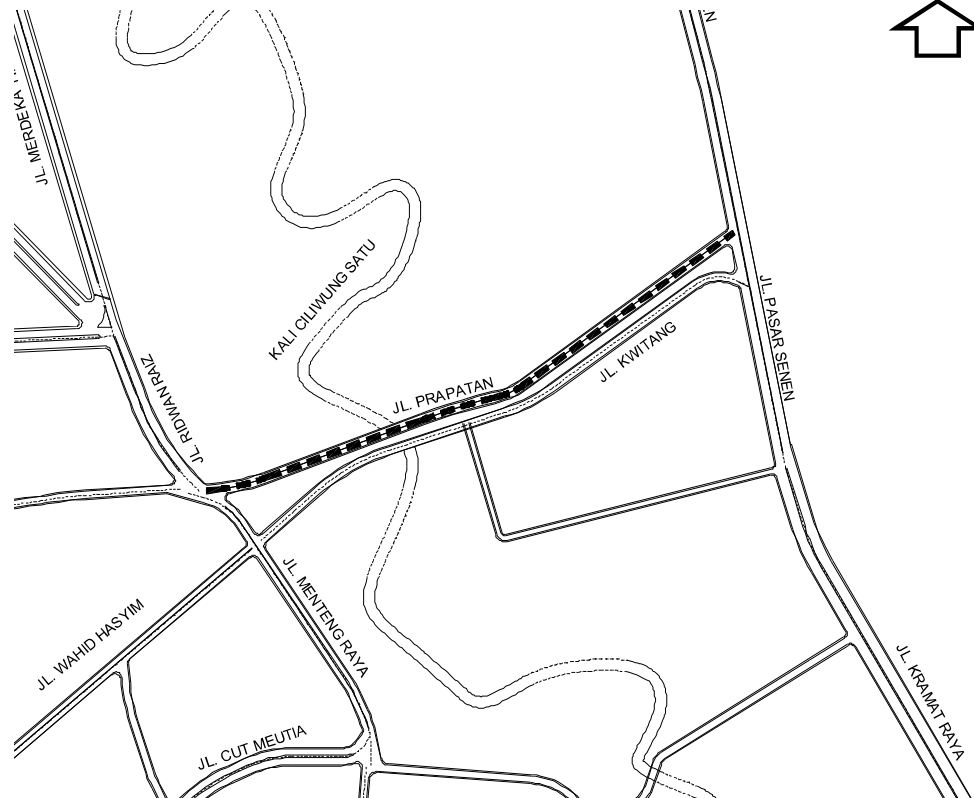


##### FOTO

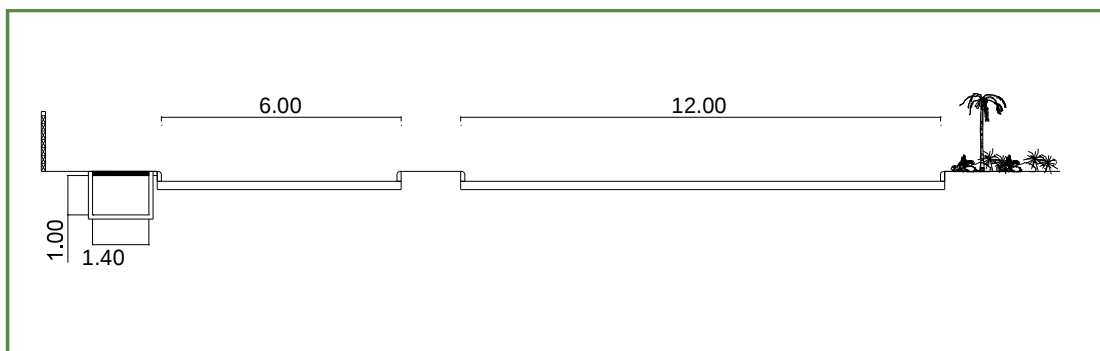


## 46. DETAIL OF JL. PRAPATAN

LAYOUT



SKETCH

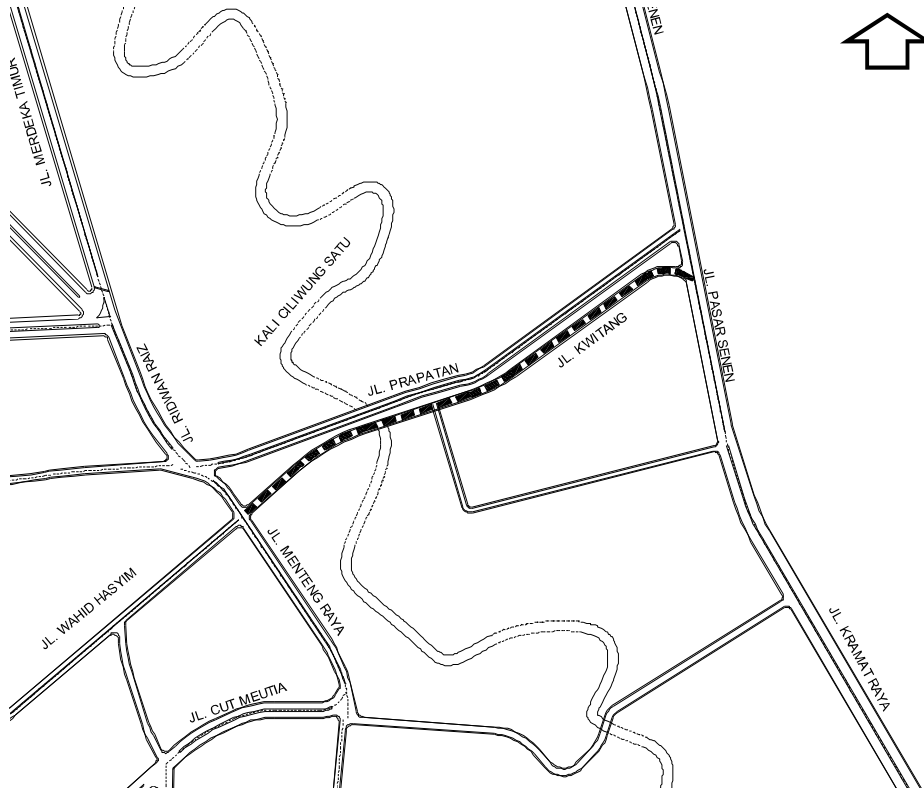


FOTO

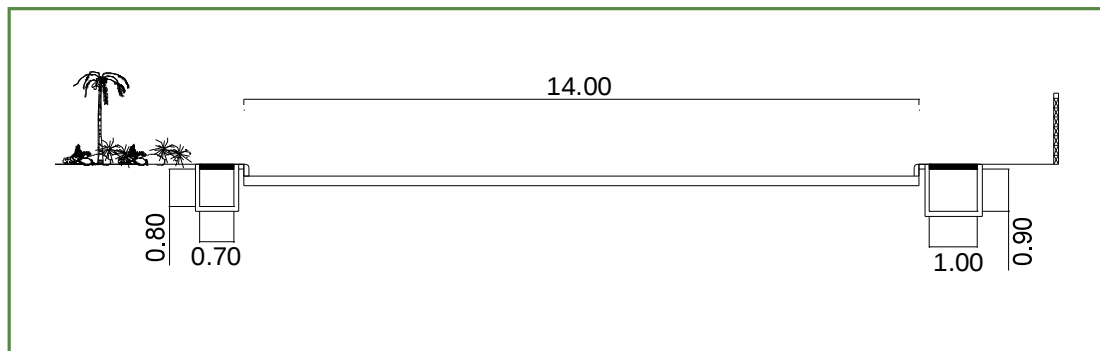


## 47-1. DETAIL OF JL. KWITANG (TYPE-1)

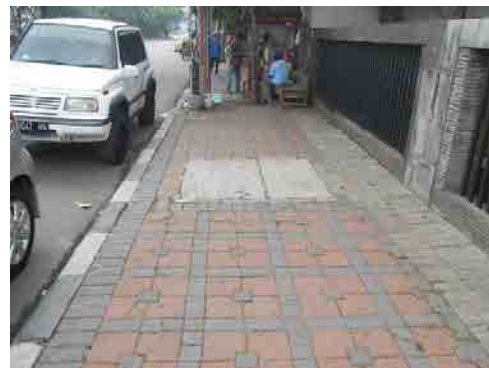
LAYOUT



SKETCH

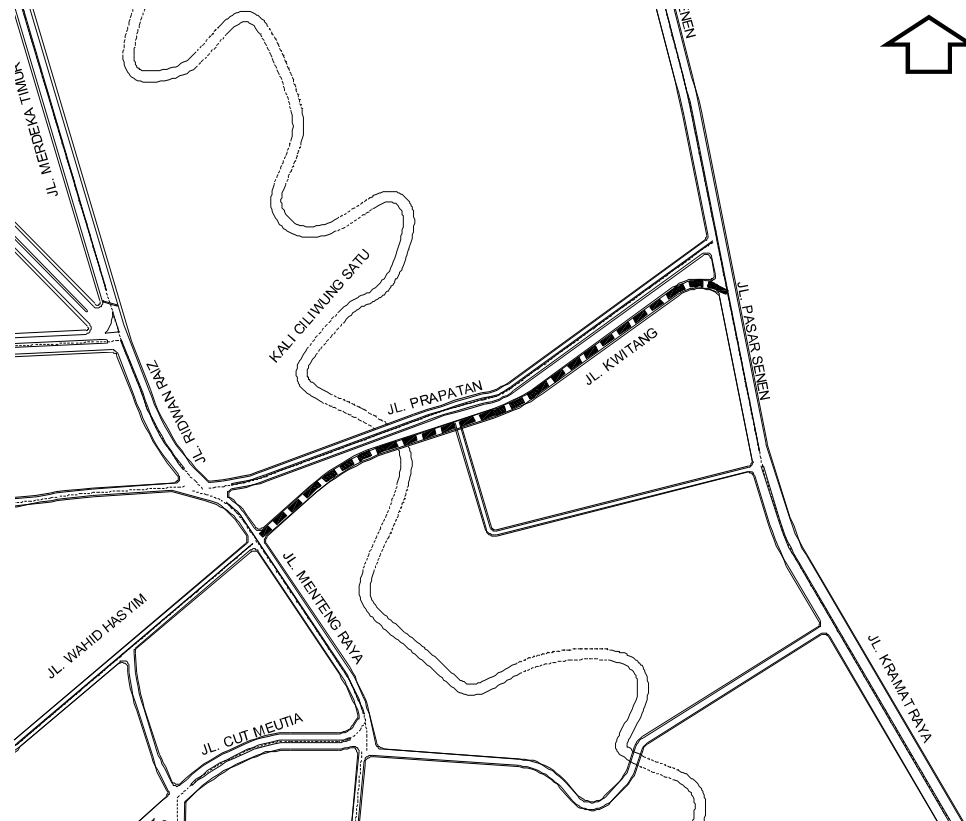


FOTO

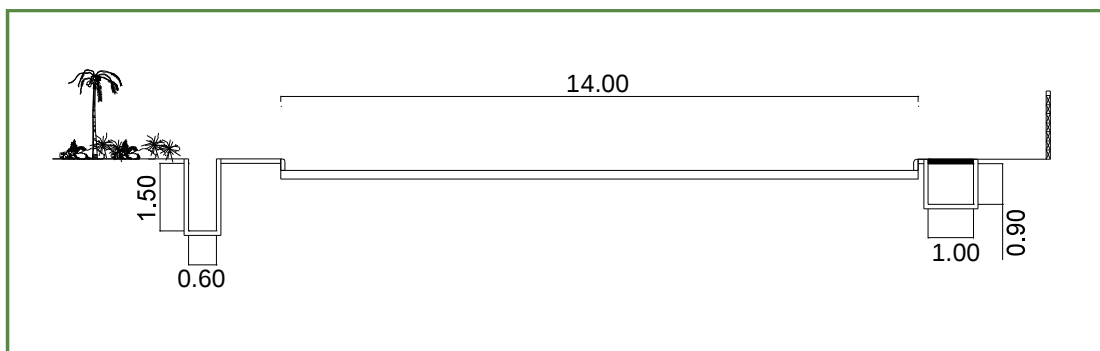


## 47-2. DETAIL OF JL. KWITANG (TYPE-2)

LAYOUT



SKETCH

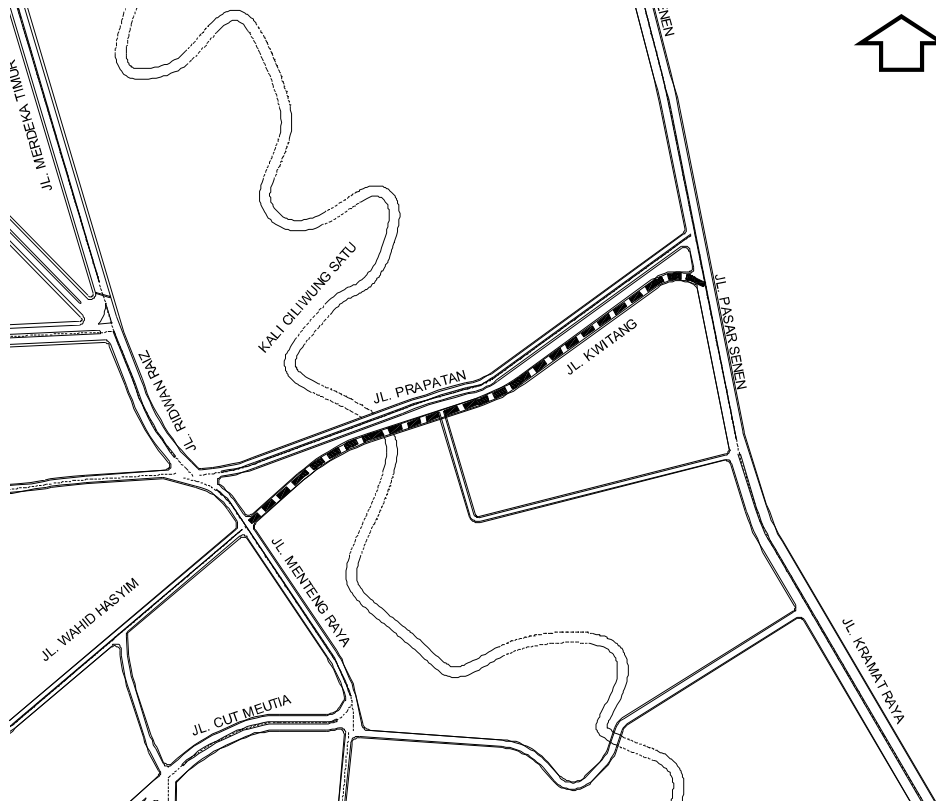


FOTO

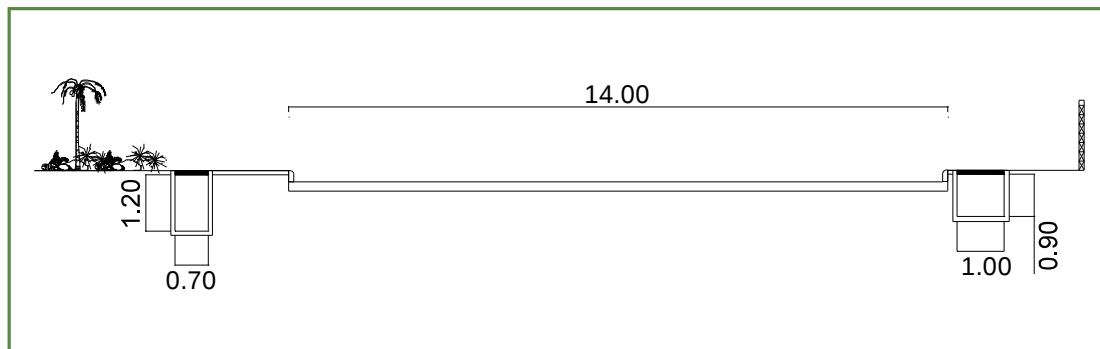


## 47-3. DETAIL OF JL. KWITANG (TYPE-3)

LAYOUT



SKETCH

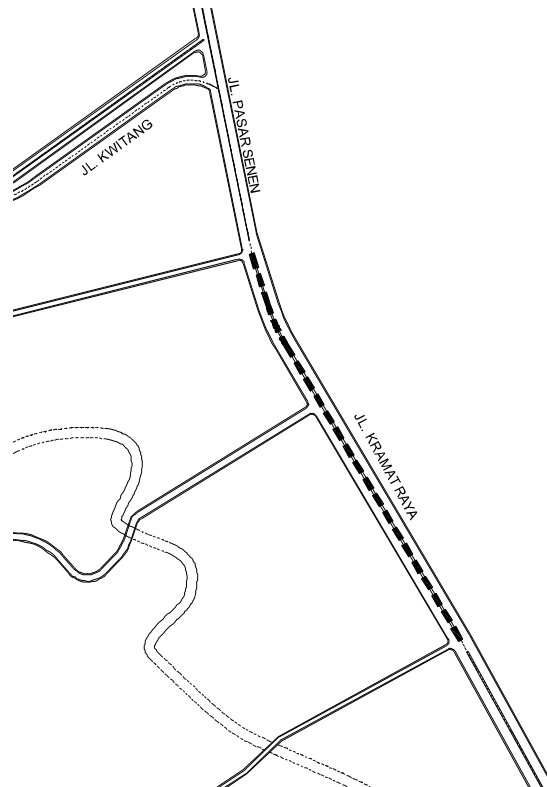


FOTO

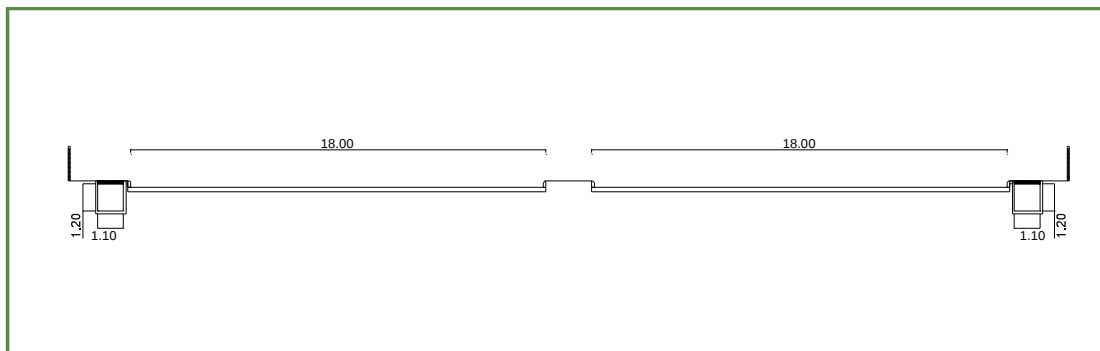


## 48. DETAIL OF JL. KRAMAT RAYA

### LAYOUT



### SKETCH

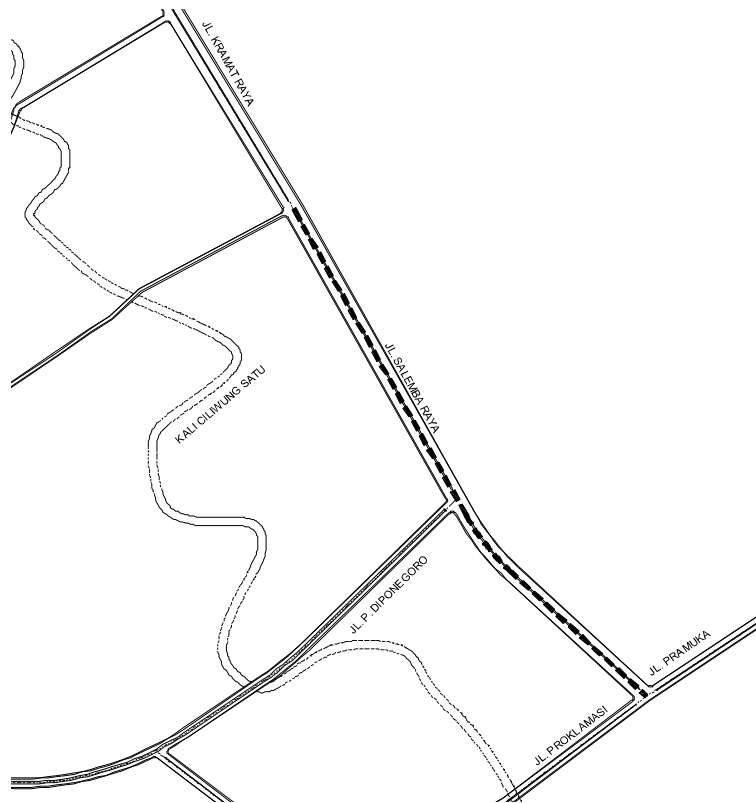


### FOTO

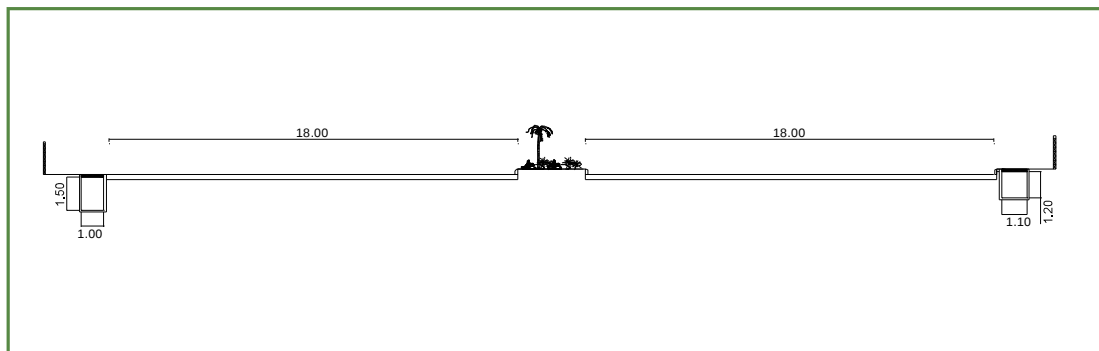


## 49. DETAIL OF JL. SALEMBA RAYA

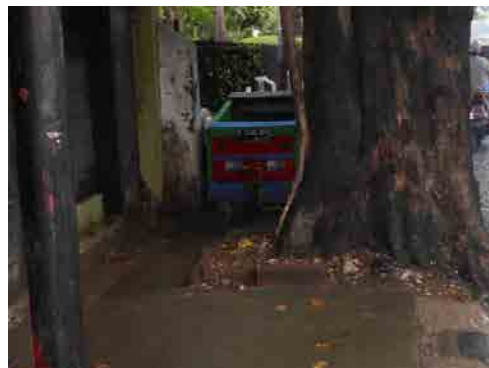
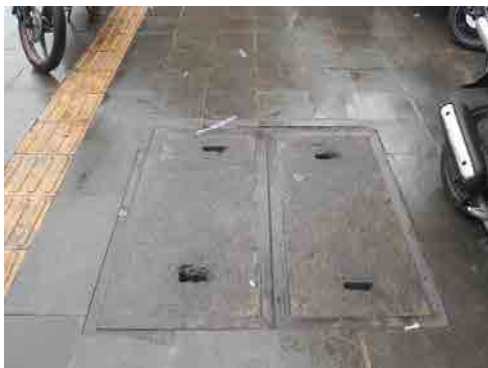
LAYOUT



SKETCH

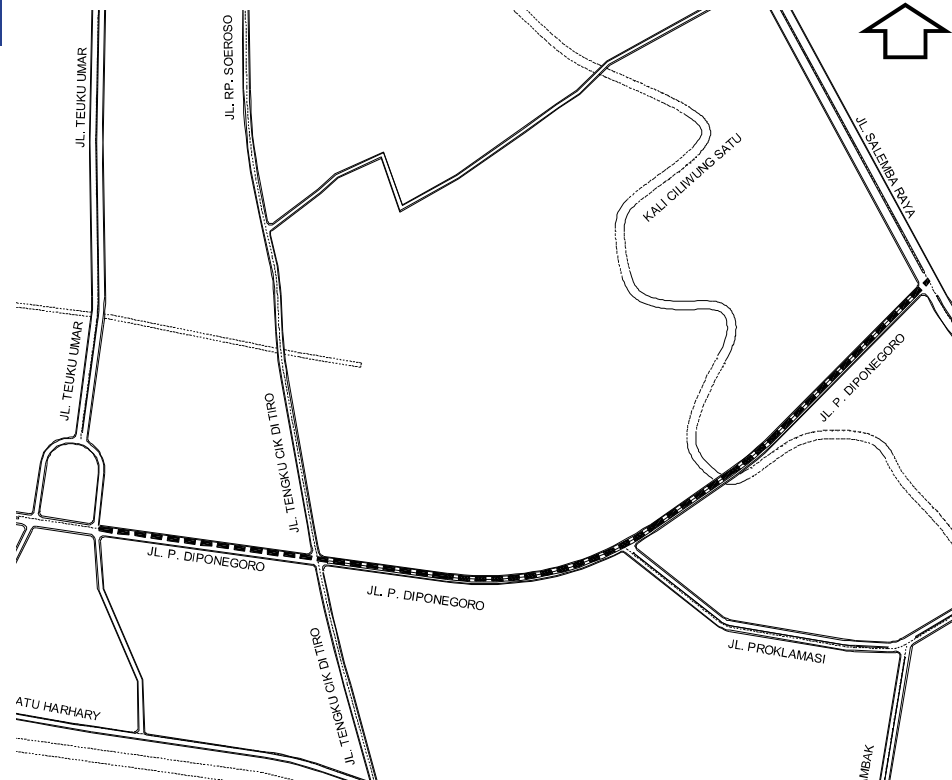


FOTO

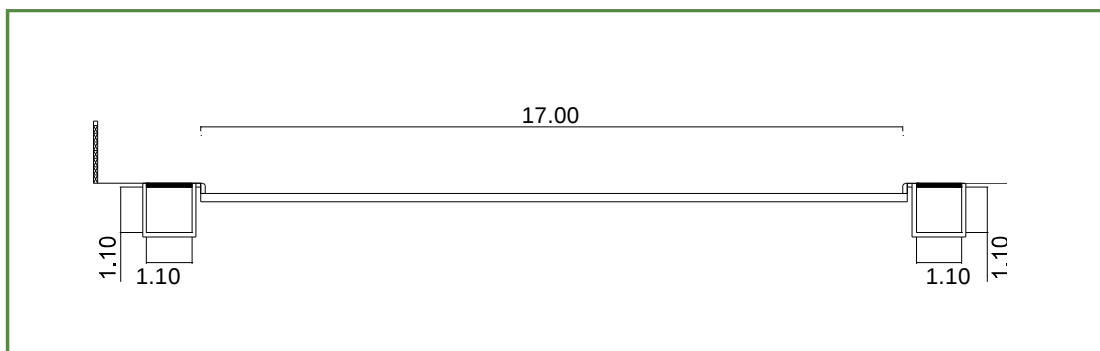


## 50-1. DETAIL OF JL. PANGERAN DIPONEGORO (TYPE-1)

### LAYOUT



### SKETCH

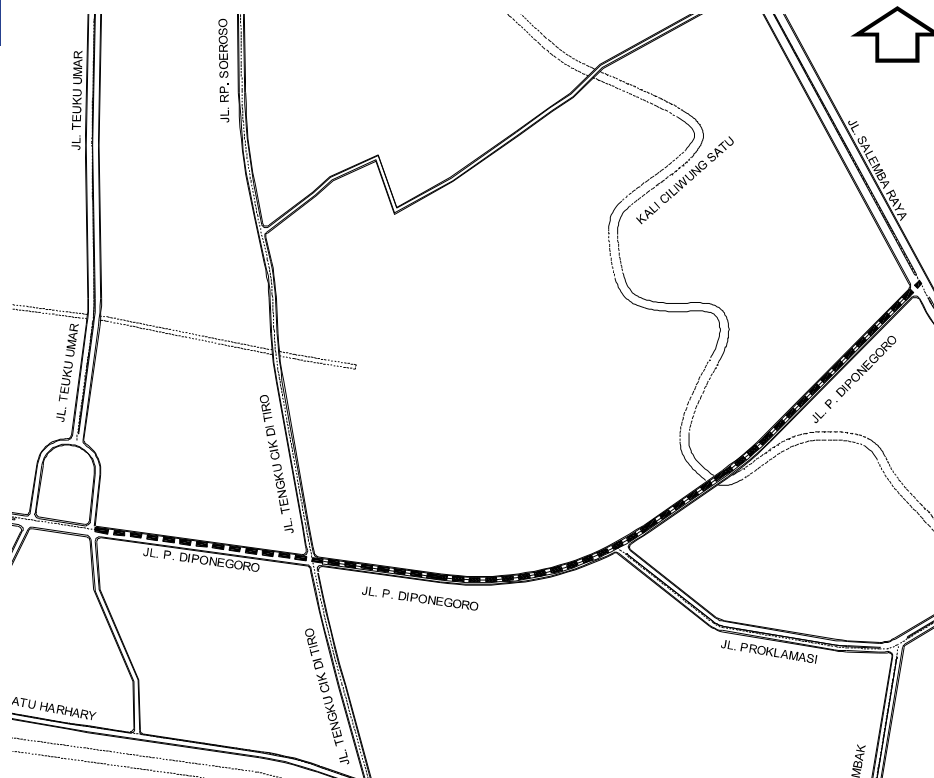


### FOTO

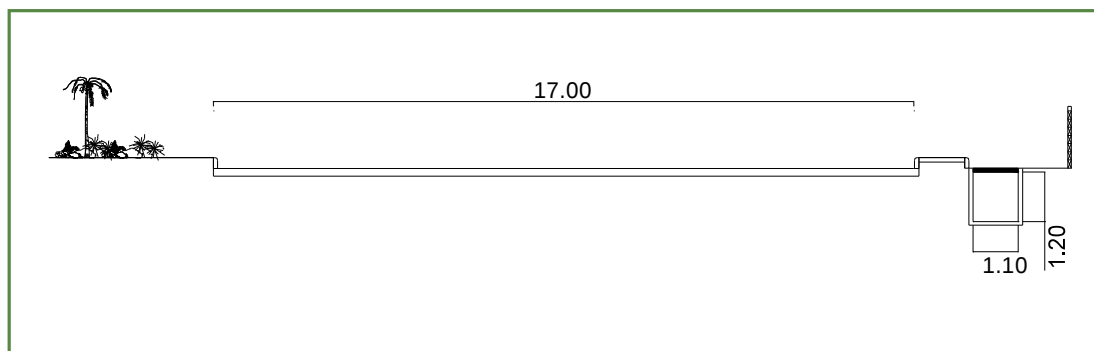


## 50-2. DETAIL OF JL. PANGERAN DIPONEGORO (TYPE-2)

LAYOUT



SKETCH

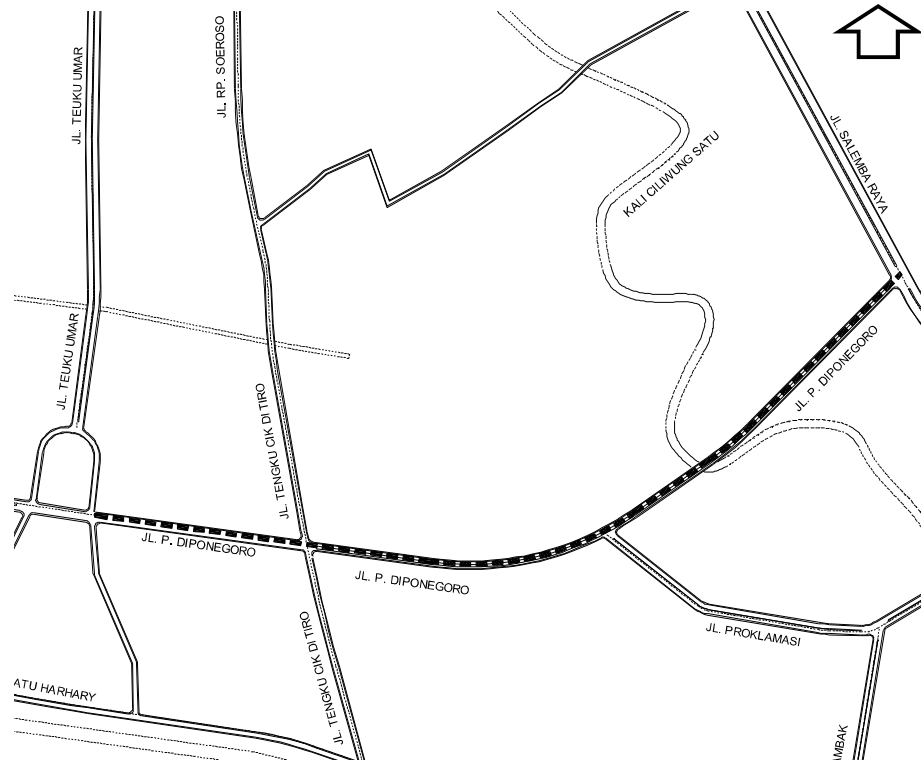


FOTO

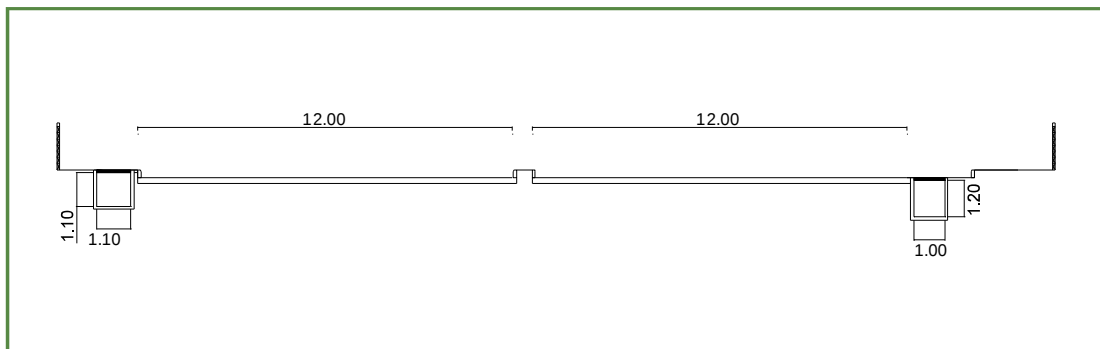


### 50-3. DETAIL OF JL. PANGERAN DIPONEGORO (TYPE-3)

#### LAYOUT



#### SKETCH

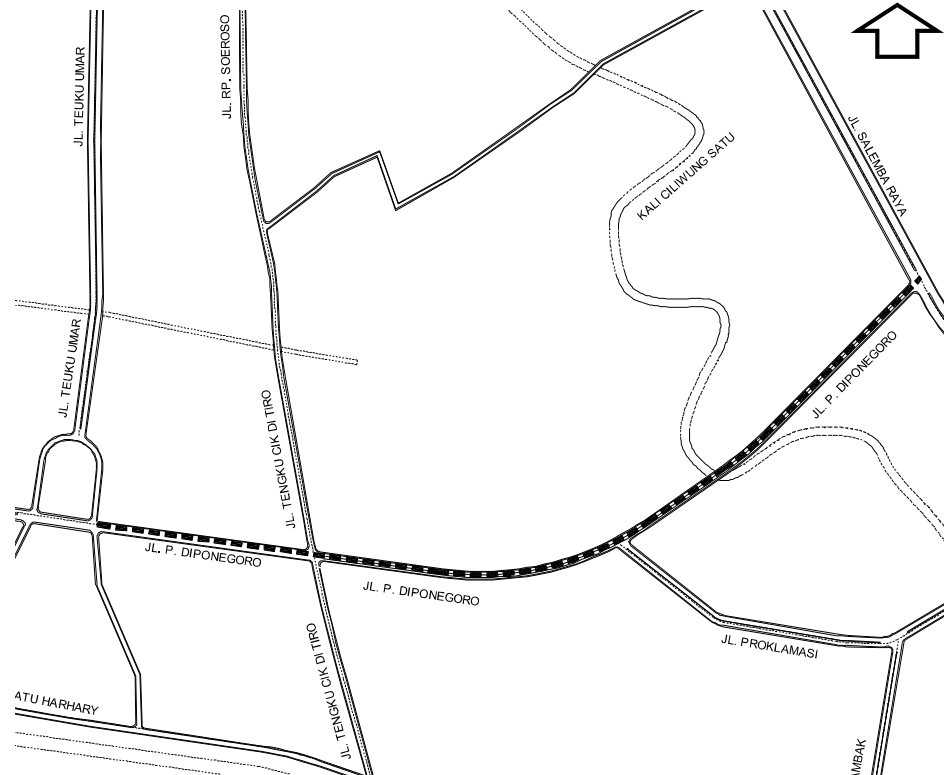


#### FOTO

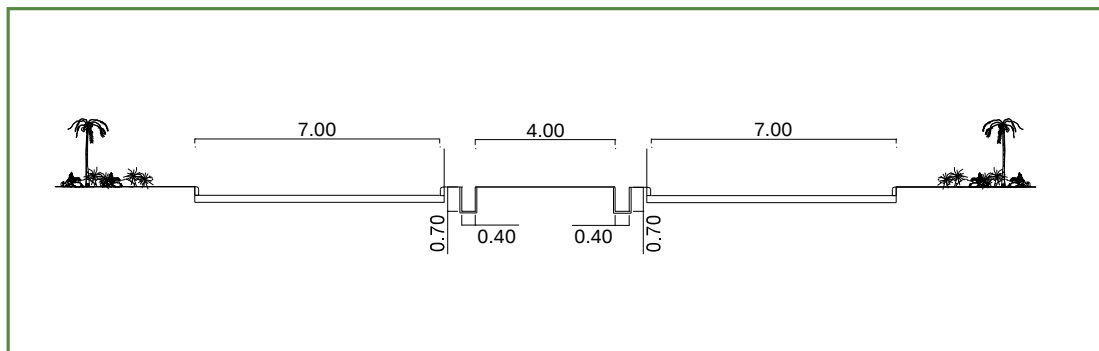


## 50-4. DETAIL OF JL. PANGERAN DIPONEGORO (TYPE-4)

LAYOUT



SKETCH

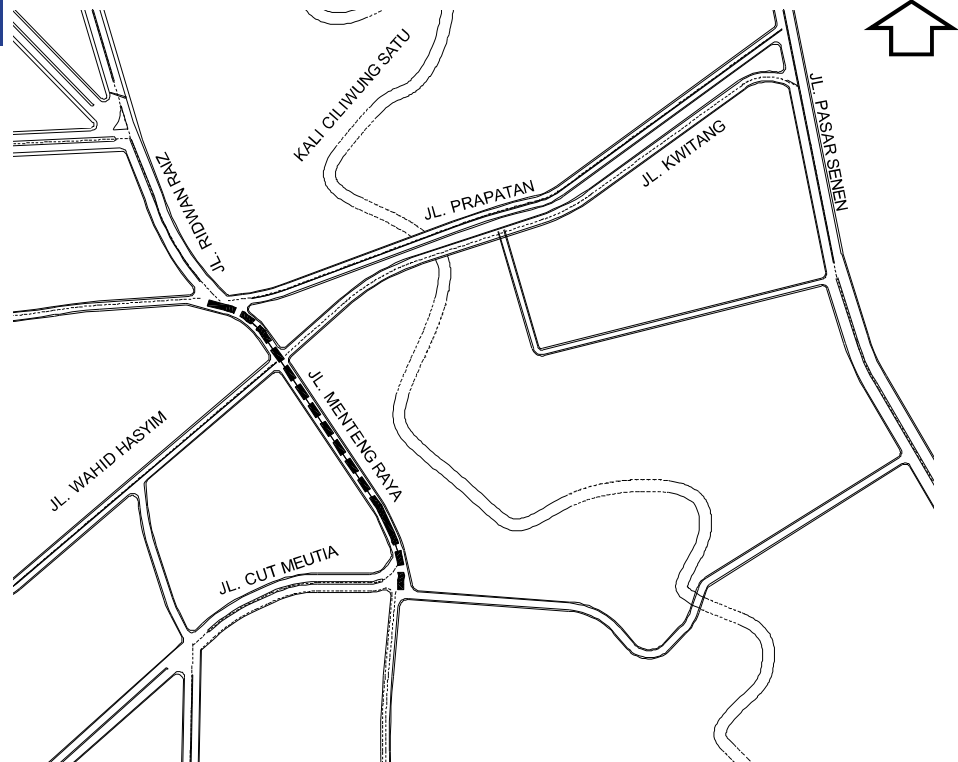


FOTO

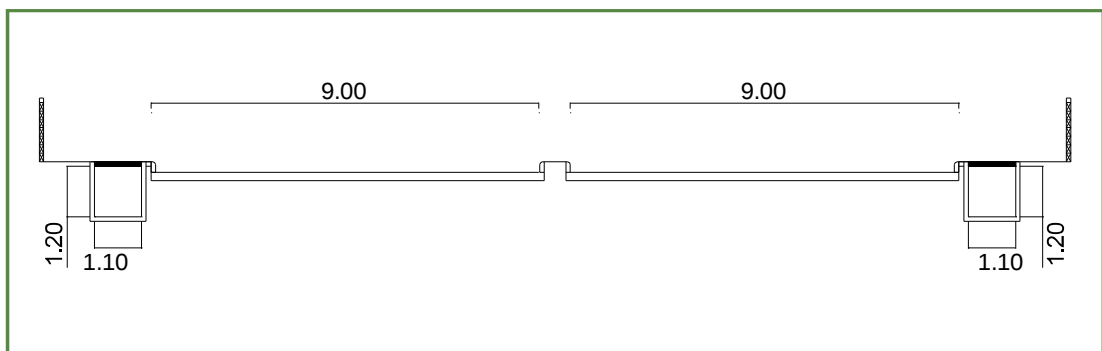


### 53. DETAIL OF JL. MENTENG RAYA

LAYOUT



SKETCH

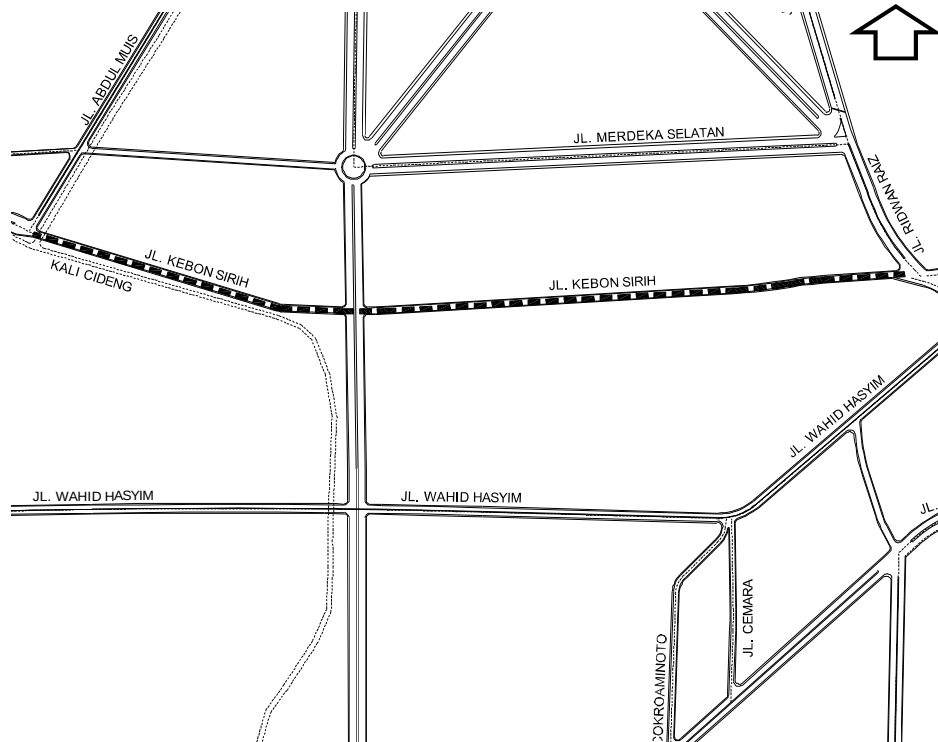


FOTO

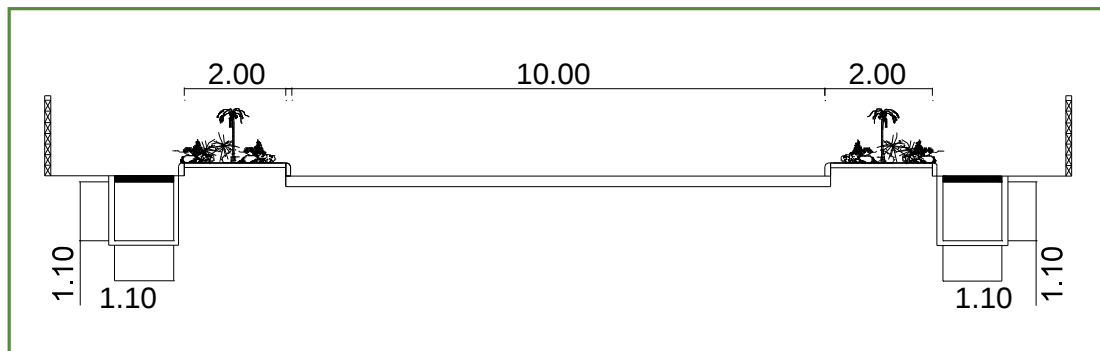


## 54. DETAIL OF JL. KEBON SIRIH

## LAYOUT



## SKETCH

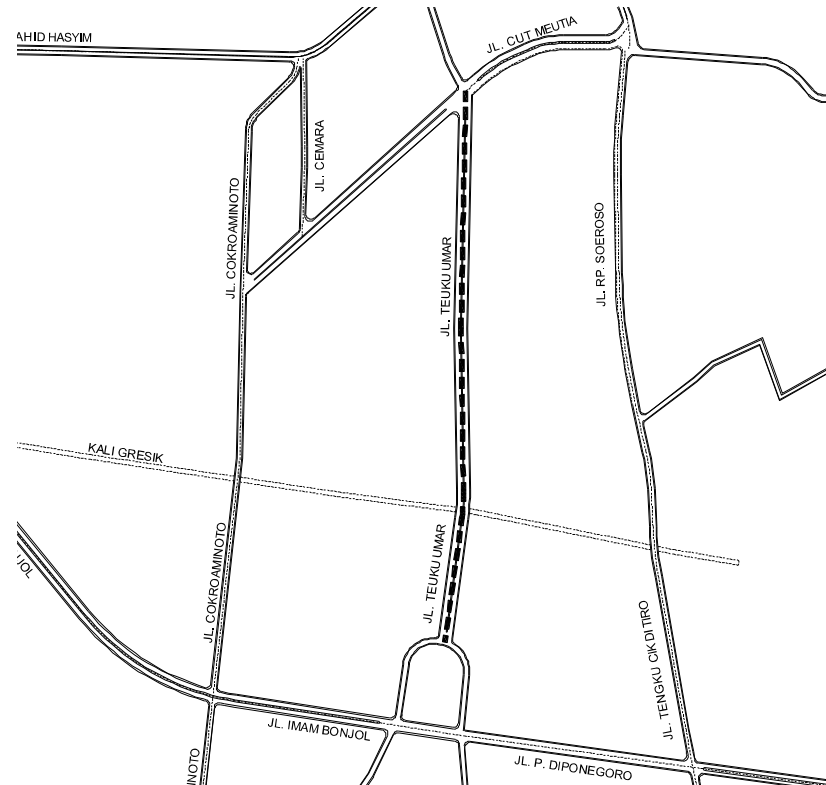


## FOTO

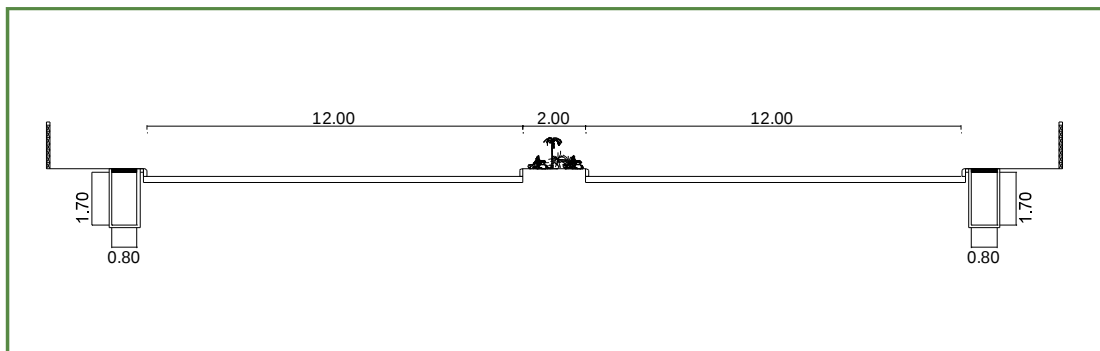


## 57-1. DETAIL OF JL. TEUKU UMAR (TYPE-2)

### LAYOUT



### SKETCH

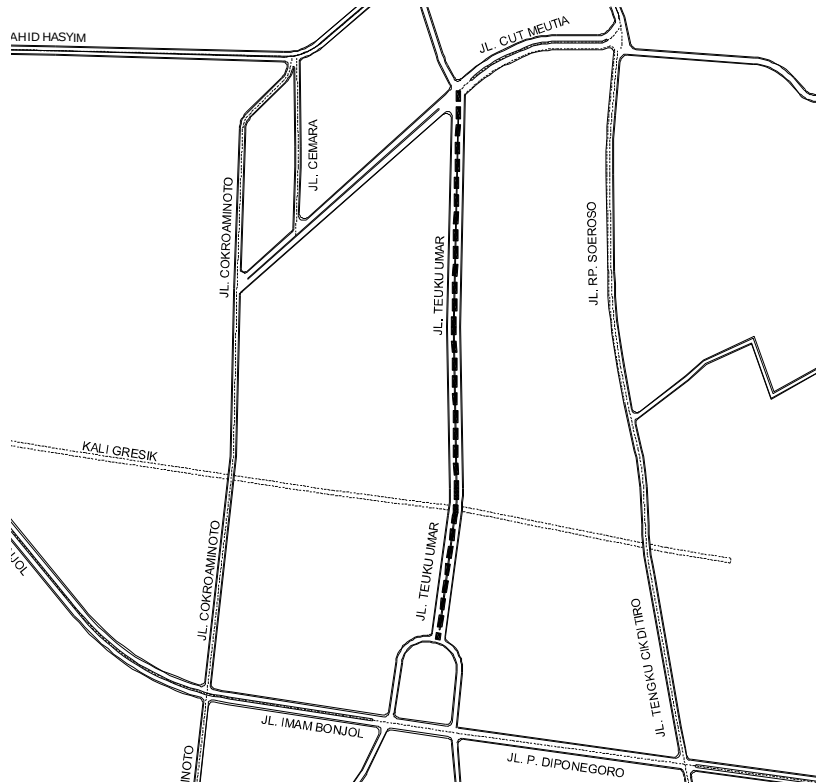


### FOTO

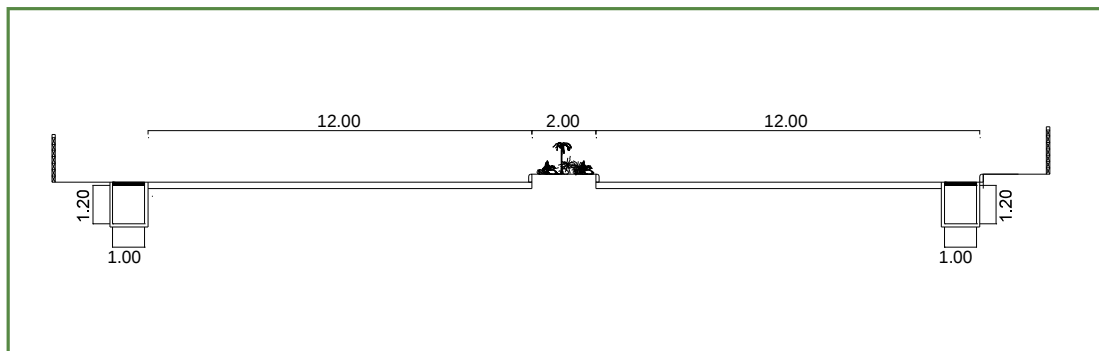


## 57-2. DETAIL OF JL. TEUKU UMAR (TYPE-2)

### LAYOUT



### SKETCH

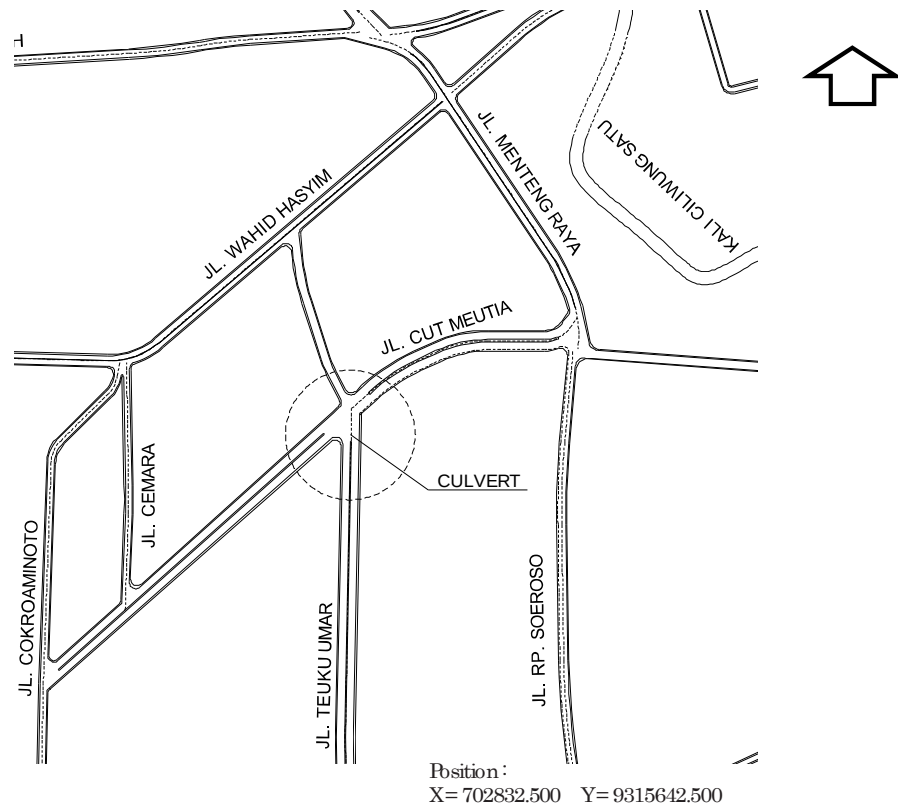


### FOTO

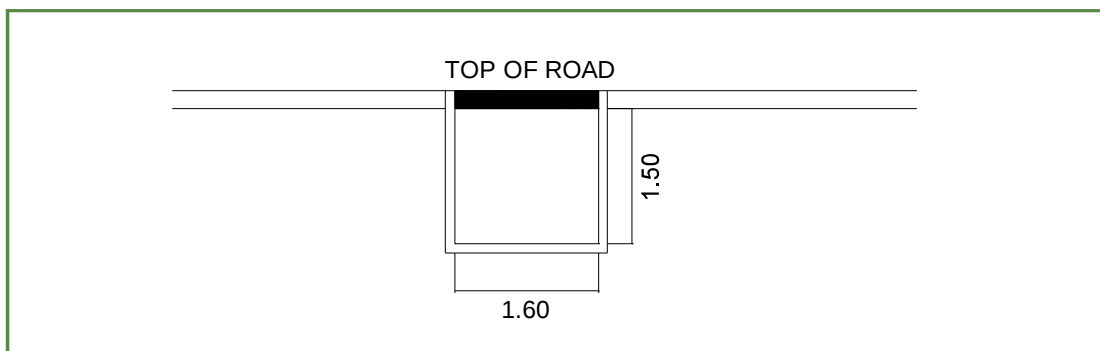


### 57-3. DETAIL OF CULVERT IN JL. TEUKU UMAR

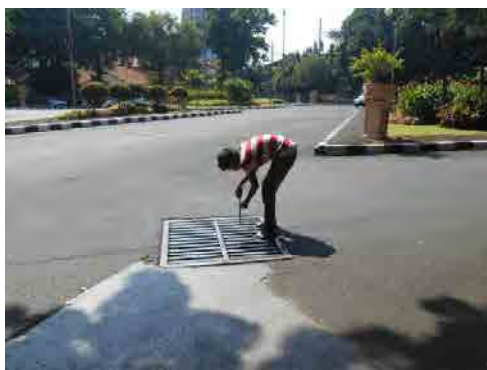
#### LAYOUT



#### SKETCH

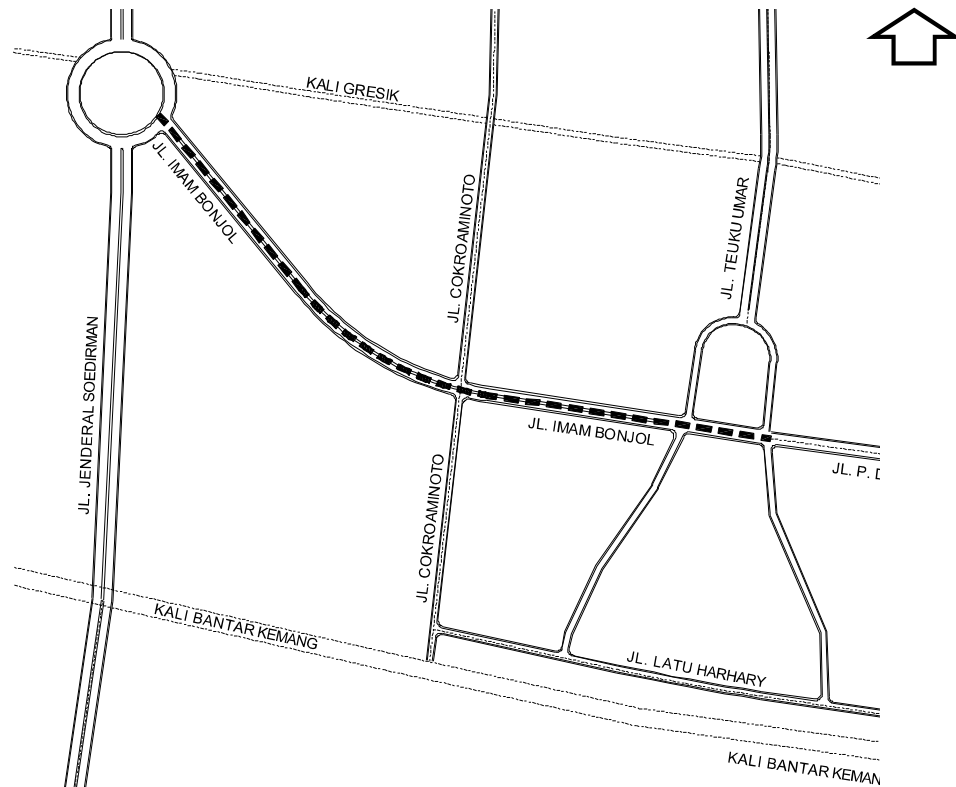


#### FOTO

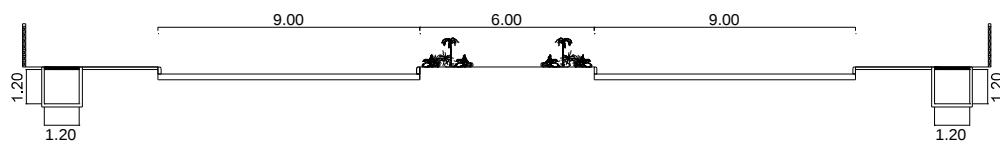


## 60. DETAIL OF JL. T. IMAM BONJOL

LAYOUT



SKETCH

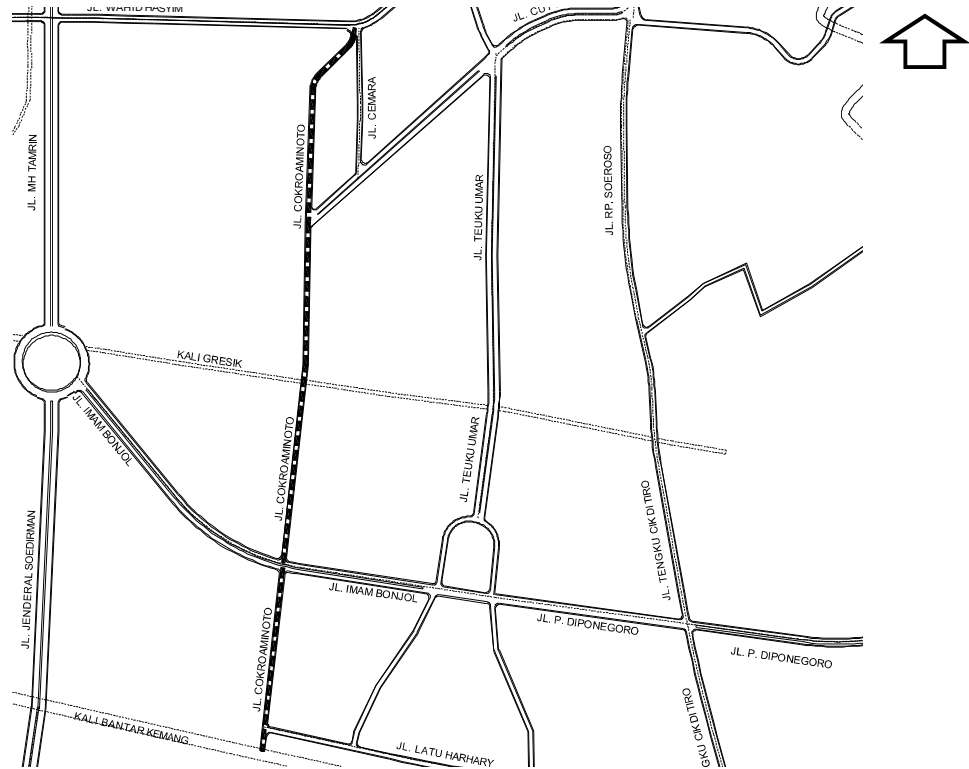


FOTO

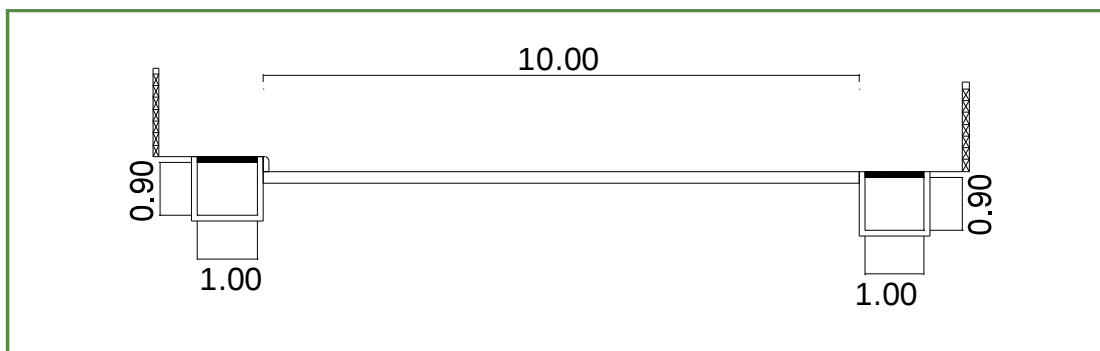


## 61. DETAIL OF JL. COKROAMINOTO

### LAYOUT



### SKETCH

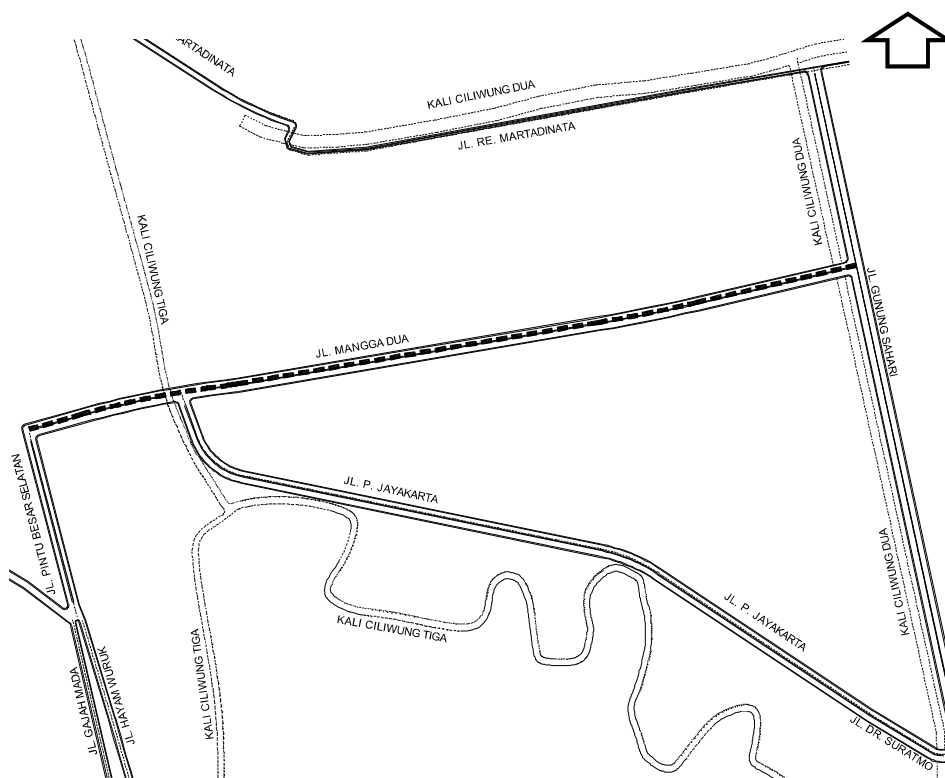


### FOTO

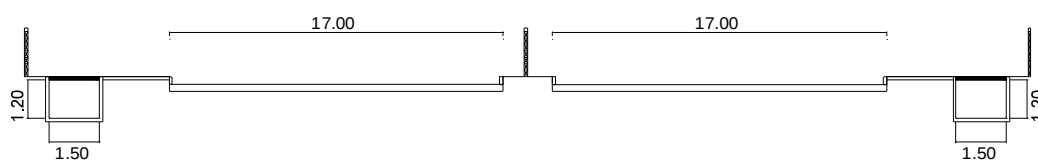


### 63-1. DETAIL OF JL. MANGGA DUA (TYPE-1)

## LAYOUT



### SKETCH



**FOTO**



### LIST OF HIGH ROAD

| No.  | Name Of Road             | Kecamatan | Structure                                                                           |              |                 |        |                                                                                       |              |                 |        |          | Condition                    |             | Remark*) |
|------|--------------------------|-----------|-------------------------------------------------------------------------------------|--------------|-----------------|--------|---------------------------------------------------------------------------------------|--------------|-----------------|--------|----------|------------------------------|-------------|----------|
|      |                          |           | Left                                                                                |              |                 |        | Right                                                                                 |              |                 |        | L(m)     | Clogged<br>Failed<br>Subsidy | A<br>B<br>C |          |
|      |                          |           | Type                                                                                | Width<br>Top | Width<br>Bottom | Height | Type                                                                                  | Width<br>Top | Width<br>Bottom | Height |          |                              |             |          |
| 15,1 | JL. PLUIT INDAH (TYPE-1) | Penjr     | -                                                                                   |              |                 |        |    | 5,00         | 5,00            | 2,50   | 200,00   | Subsidy                      | B/C         | 0,40     |
| 15,2 | JL. PLUIT INDAH (TYPE-2) | Penjr     |    | 1,00         | 1,00            | 1,20   |                                                                                       | 5,00         | 5,00            | 2,50   | 600,00   | Subsidy                      | B/C         | 0,50     |
| 15,3 | JL. PLUIT INDAH (TYPE-3) | Penjr     |    | 1,00         | 1,00            | 1,20   |    | 5,00         | 5,00            | 2,50   | 300,00   | Subsidy                      | B/C         | 0,50     |
| 21   | JL. KALIBESAR            | Tambr     |    | 0,70         | 0,70            | 1,20   |    | 0,70         | 0,70            | 1,00   | 650,00   | Failed /<br>Subsidy          | B/C         | 0,60     |
| 24   | JL. KEBONKACANG RAYA     | T.A       |    | 1,30         | 1,30            | 1,20   |    | 1,30         | 1,30            | 1,20   | 1.000,00 | Failed /<br>Subsidy          | B/C         | 0,40     |
| 25   | JL. JATIBARU             | T.A       |    | 1,60         | 1,60            | 1,60   |    | 0,80         | 0,80            | 1,00   | 900,00   | Subsidy                      | B/C         | 0,40     |
| 26   | JL. KEBONJAHE            | T.A       |   | 0,60         | 0,60            | 1,00   |   | 0,60         | 0,60            | 0,80   | 500,00   | Failed /<br>Subsidy          | B/C         | 0,50     |
| 33   | JL. BIAK                 | Gbr       |  | 1,00         | 1,00            | 1,00   |  | 1,00         | 1,00            | 1,00   | 650,00   | Subsidy                      | B/C         | 0,50     |
| 37   | JL. TANAHABANG           | T.A       |  | 1,00         | 1,00            | 1,00   |  | 1,00         | 1,00            | 0,90   | 1.000,00 | Subsidy                      | B/C         | 0,50     |
| 38   | JL. ABDULMUIS            | Gbr       | KALICIDENG                                                                          |              |                 |        |  | 1,00         | 1,00            | 1,00   | 1.550,00 | Failed /<br>Subsidy          | B/C         | 0,40     |
| 39   | JL. POS                  | Gbr       | KALICILIWUNG GUNUNG SAHARI                                                          |              |                 |        |  | 1,00         | 1,00            | 1,30   | 550,00   | Failed /<br>Subsidy          | B/C         | 0,30     |

|      |                           |      |                                                                                    |      |      |      |                                                                                       |      |      |      |          |                  |     |      |
|------|---------------------------|------|------------------------------------------------------------------------------------|------|------|------|---------------------------------------------------------------------------------------|------|------|------|----------|------------------|-----|------|
| 51   | JL. TEUKU CIKDITIRO       | Mtng |   | 1,10 | 1,10 | 1,20 |    | 1,10 | 1,10 | 1,20 | 1.350,00 | Subsidy          | B/C | 0,40 |
| 52   | JL. RP. SOEROSO           | Mtng |   | 1,10 | 1,10 | 1,50 |    | 1,10 | 1,10 | 1,50 | 800,00   | Failed / Subsidy | B/C | 0,30 |
| 55   | JL. CEMARA                | Mtng |   | 1,10 | 1,10 | 2,00 |    | 1,10 | 1,10 | 2,00 | 400,00   | Failed / Subsidy | B/C | 0,30 |
| 56   | JL. CUT MEUTIA            | Mtng |   | 1,20 | 1,20 | 1,20 |    | 1,10 | 1,10 | 0,90 | 450,00   | Failed / Subsidy | B/C | 0,20 |
| 58   | JL. SUNDA KELAPA          | Mtng |   | 1,10 | 1,10 | 1,00 |    | 1,10 | 1,10 | 1,00 | 650,00   | Subsidy          | B/C | 0,50 |
| 59,1 | JL. LATU HARHARY (TYPE:1) | Mtng |   | 1,10 | 1,10 | 1,00 |    | 0,70 | 0,70 | 1,30 | 600,00   | Subsidy          | B/C | 0,50 |
| 59,2 | JL. LATU HARHARY (TYPE:2) | Mtng |   | 1,00 | 1,00 | 0,80 |    | 0,70 | 0,70 | 1,60 | 1.000,00 | Failed / Subsidy | B/C | 0,40 |
| 62,1 | JL. WAHID HASYIM (TYPE:1) | Mtng |   | 2,00 | 2,00 | 1,20 |    | 2,00 | 2,00 | 1,20 | 1.000,00 | Subsidy          | B/C | 0,30 |
| 62,2 | JL. WAHID HASYIM (TYPE:2) | Mtng |   | 2,00 | 2,00 | 1,20 |    | 1,50 | 1,50 | 1,60 | 1.300,00 | Subsidy          | B/C | 0,30 |
| 64   | JL. RE. MARTADINATA       | Pdmg |  | 1,50 | 1,50 | 1,50 | KANALANCOL                                                                            |      |      |      | 1.500,00 | Failed / Subsidy | B/C | 0,50 |
| 65   | JL. PAKINTO MARTADINATA   | Pdmg | KALI KRUKUT                                                                        |      |      |      |  | 1,00 | 1,00 | 1,50 | 2.150,00 | Failed / Subsidy | B/C | 0,40 |

NOTE : \*) water depth

Pdmg : Pademangan  
Tmsr : Taman Sari  
SB : Sawah Besar  
TA : Tanah Abang

Mtng : Menteng  
Tambr : Tambora  
Gbr : Gambir  
Penjr : Penjaringan

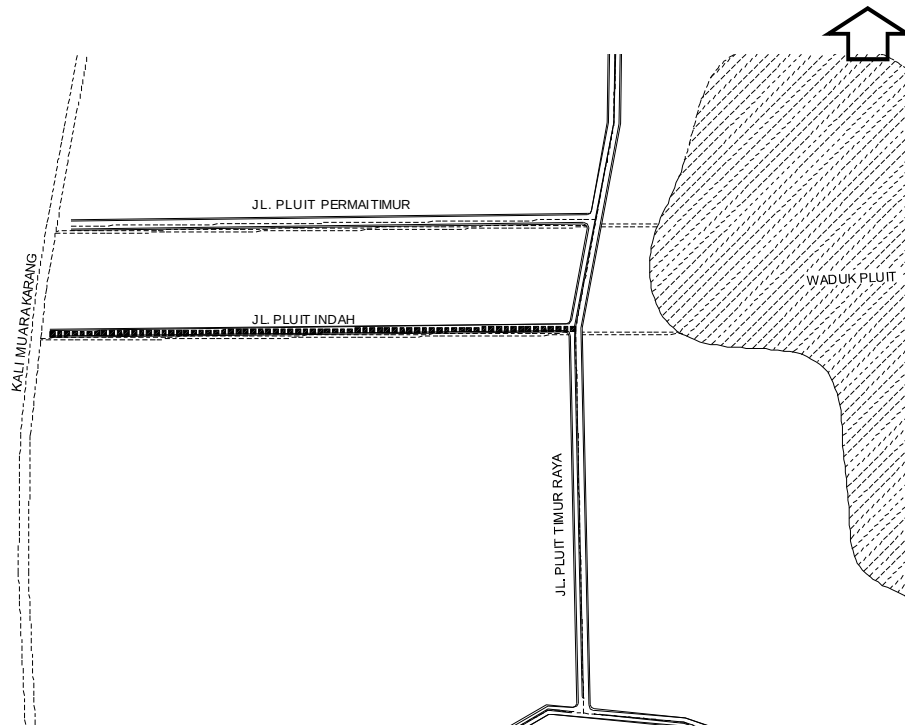
## DATA BASE SURVEY ROAD AREA DETAIL DATA OF EACH HIGHWAY (JALAN RAYA)



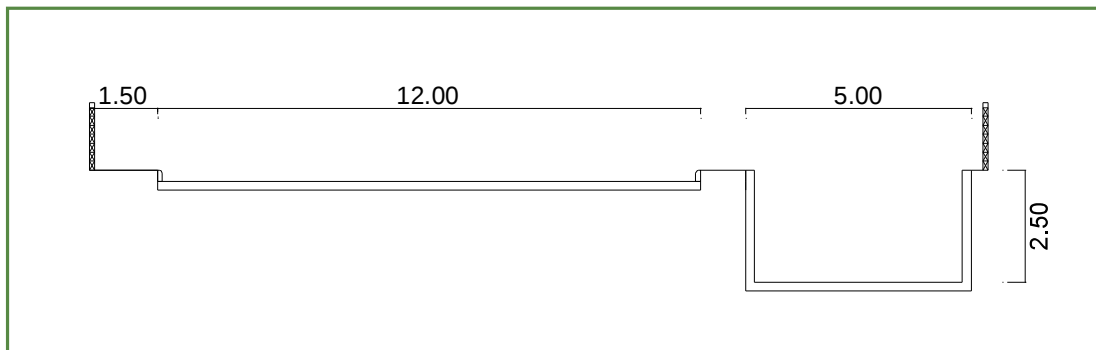
### c. Detail Data of Highway

#### 15-1. DETAIL OF JL. PLUIT INDAH (TYPE-1)

##### LAYOUT



##### SKETCH

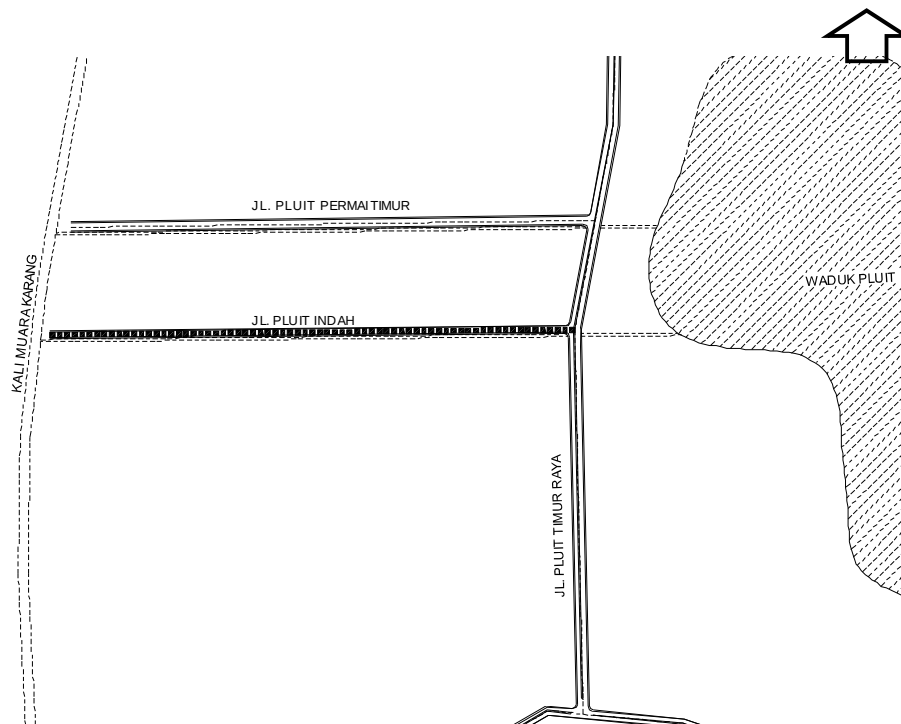


##### FOTO

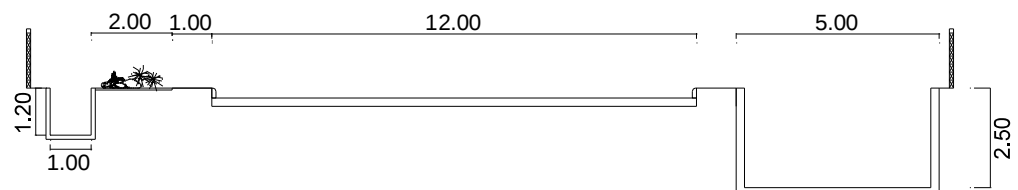


## 15-2. DETAIL OF JL. PLUIT INDAH (TYPE-2)

### LAYOUT



### SKETCH

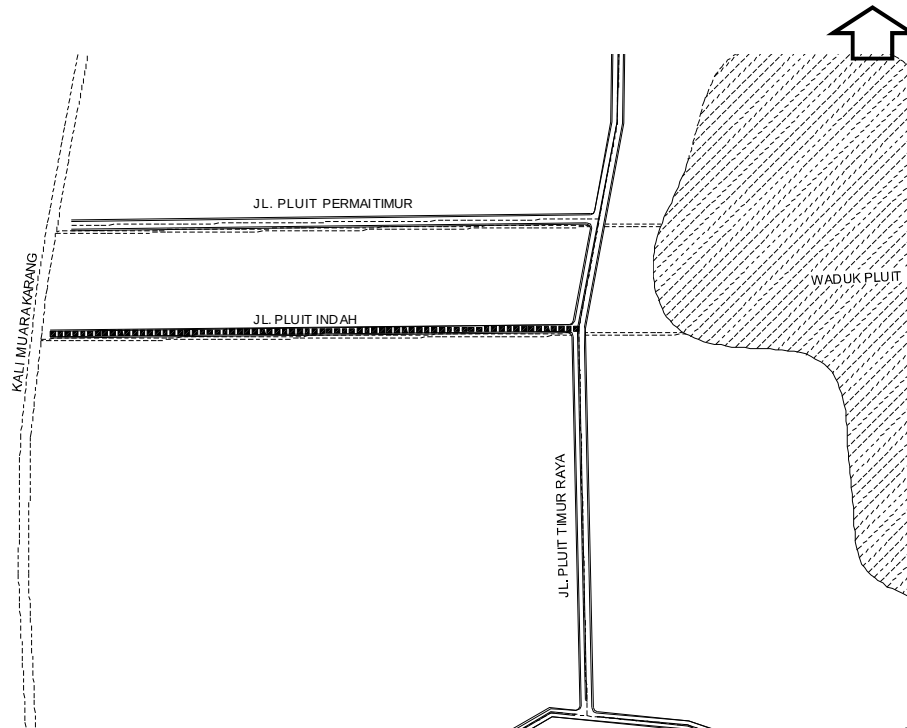


### FOTO

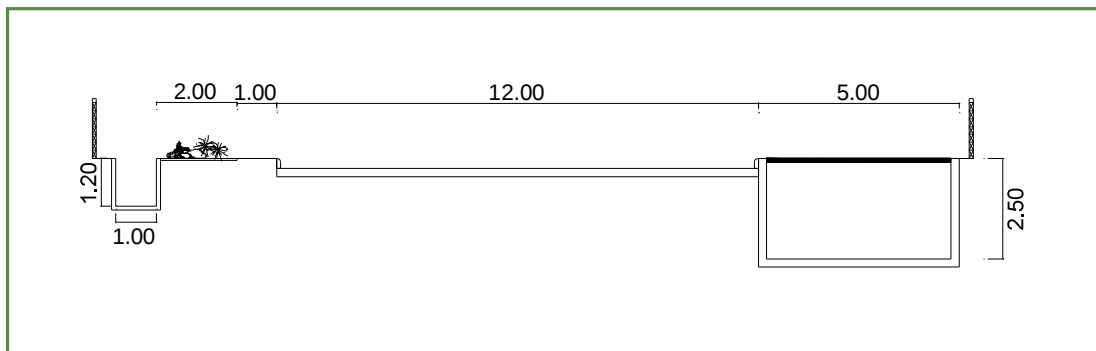


### 15-3. DETAIL OF JL. PLUIT INDAH (TYPE-3)

#### LAYOUT



#### SKETCH

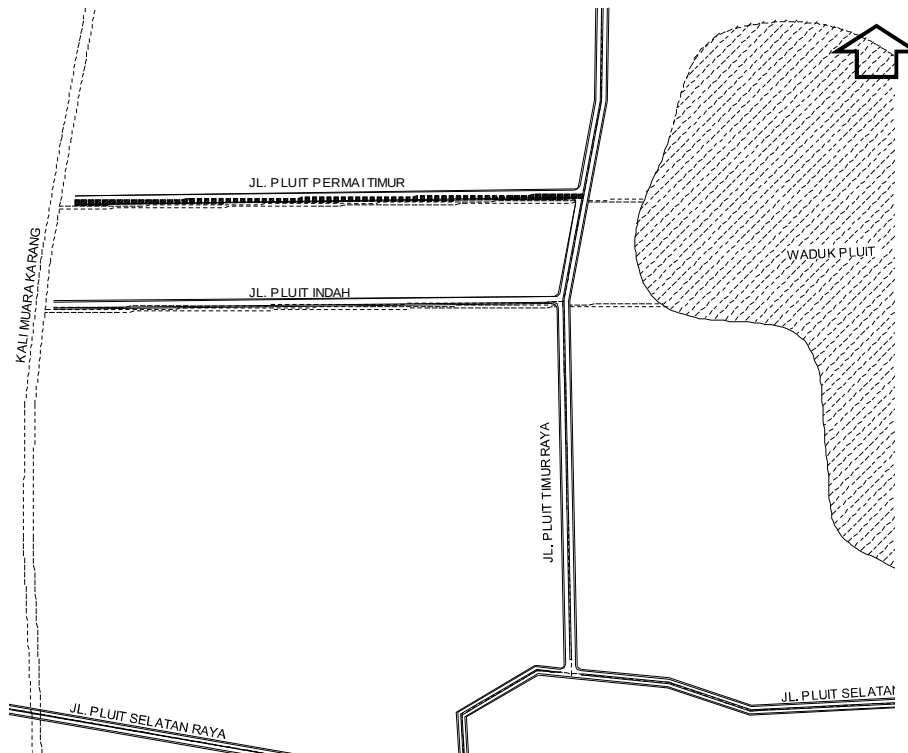


#### FOTO

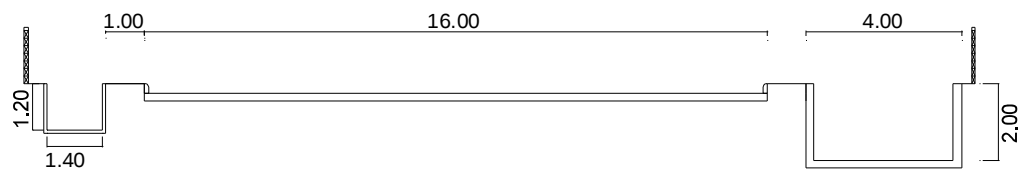


## 16. DETAIL OF JL. PLUIT PERMAITIMUR (TYPE-1)

### LAYOUT



### SKETCH

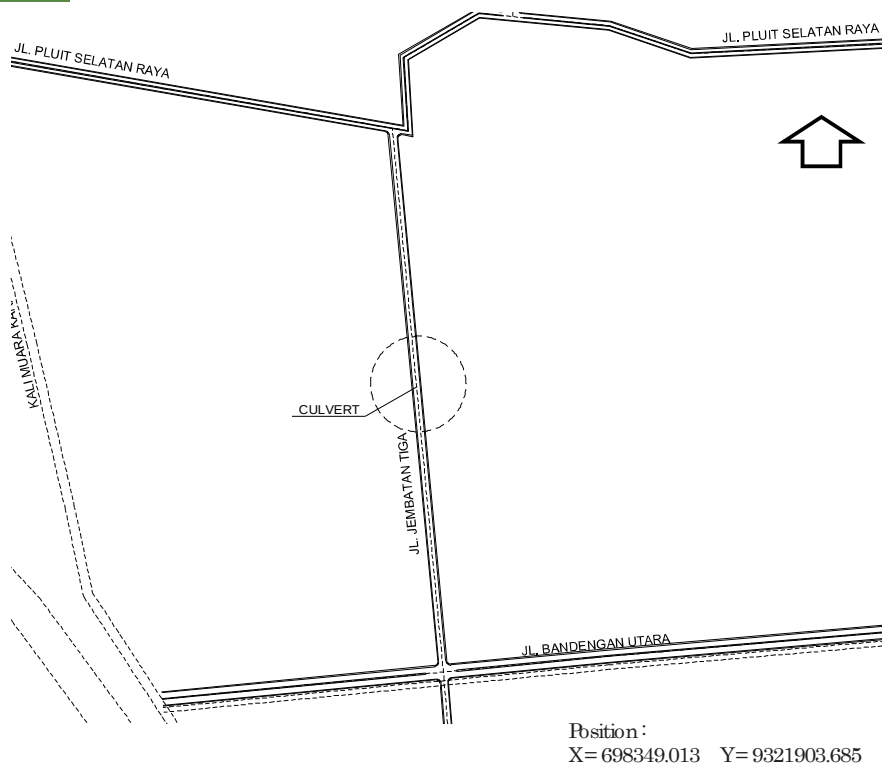


### FOTO

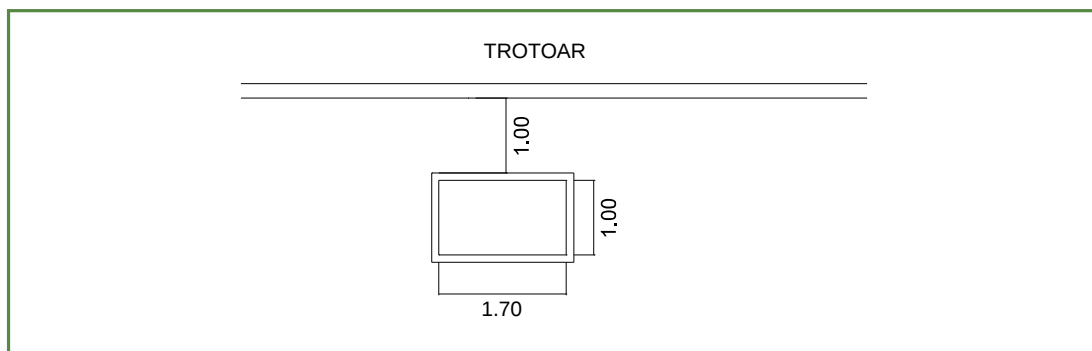


## 16-2. DETAIL OF CULVERT IN JL. PLUIT PERMAI TIMUR

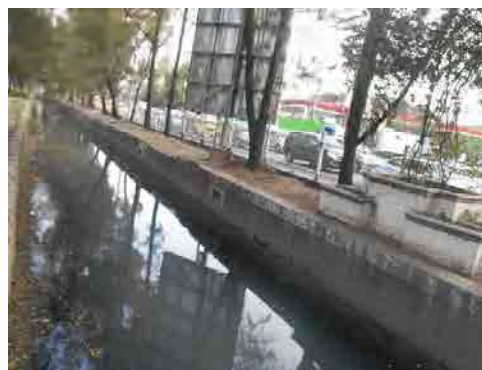
### LAYOUT



### SKETCH

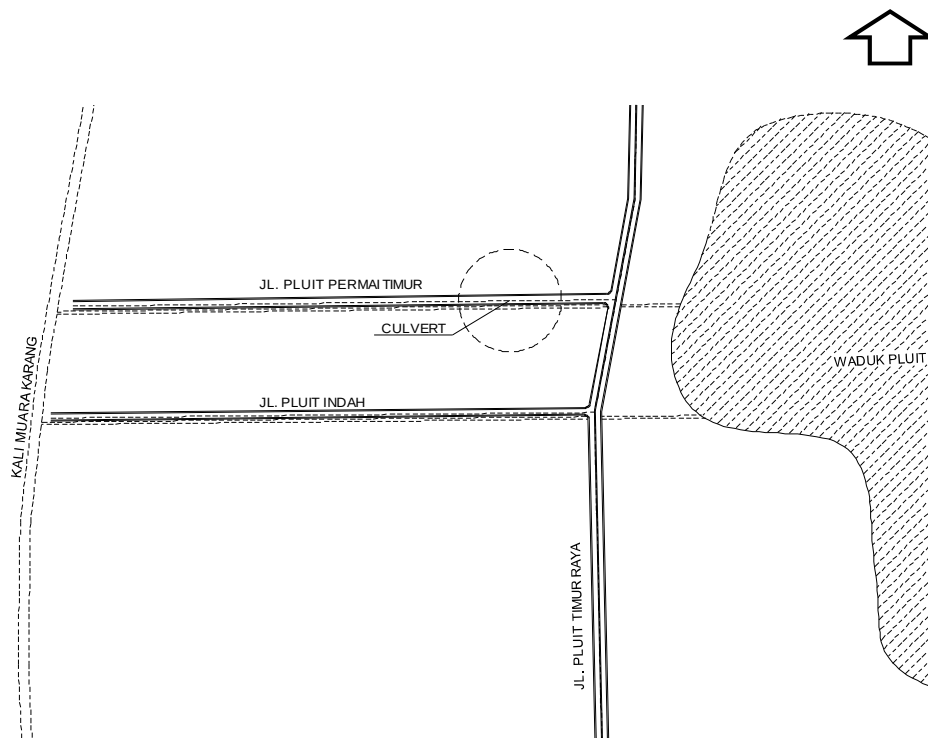


### FOTO



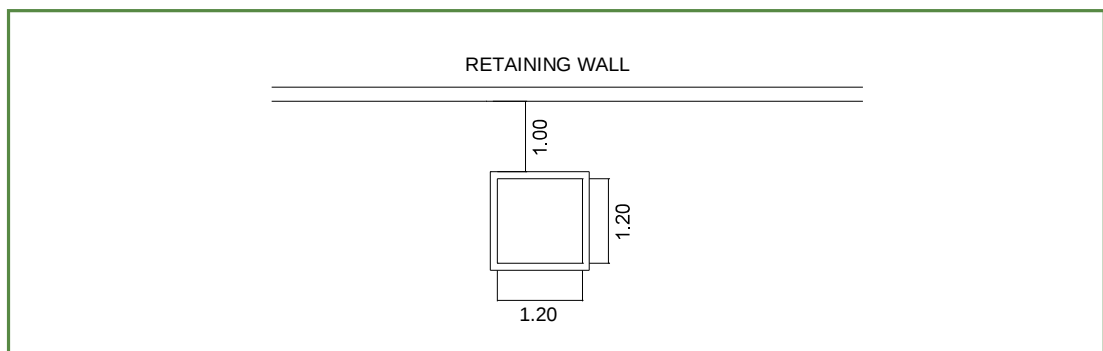
## 16-1. DETAIL OF CULVERT IN JL. PLUIT PERMAI TIMUR

### LAYOUT



Position :  
X= 698369.108 Y= 9323673.109

### SKETCH

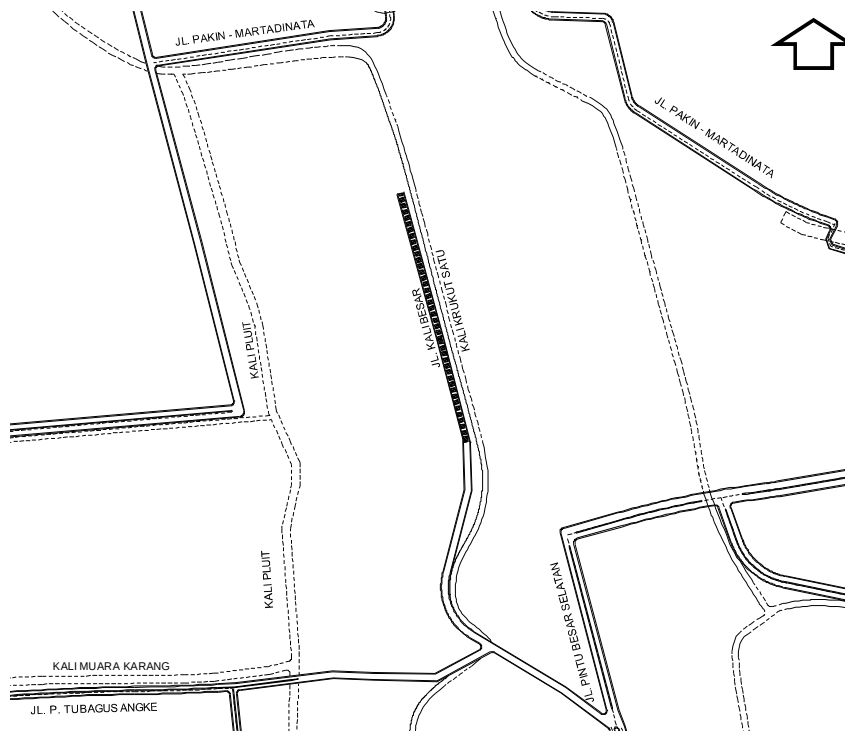


### FOTO

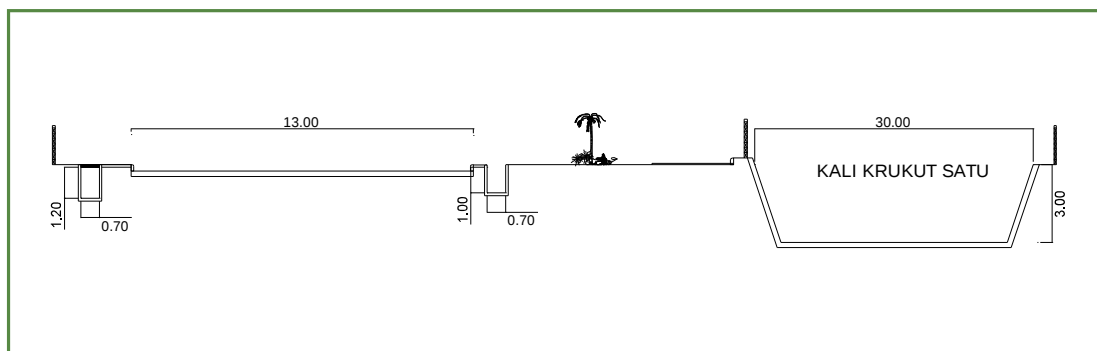


## 21. DETAIL OF JL KALIBESAR

### LAYOUT



### SKETCH

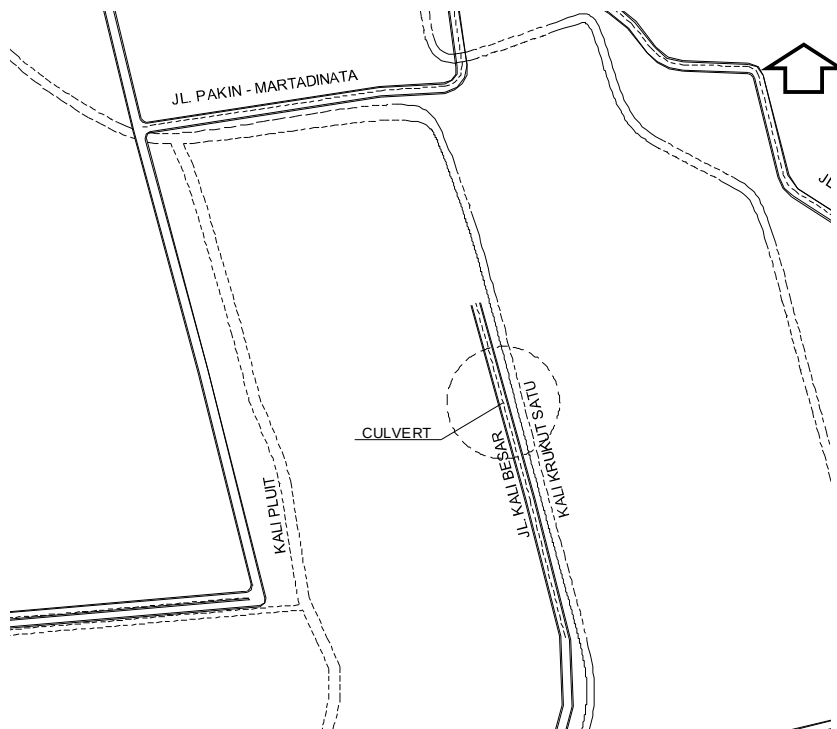


### FOTO

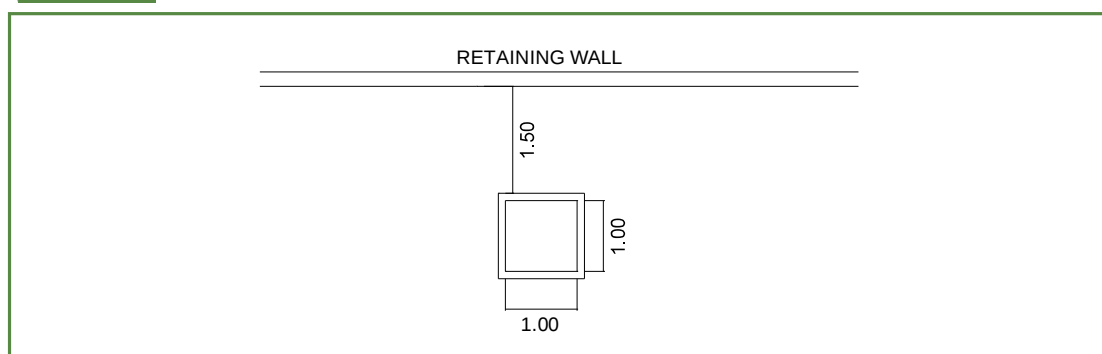


## 21-1. DETAIL OF CULVERT IN JL. KALI BESAR

### LAYOUT



### SKETCH

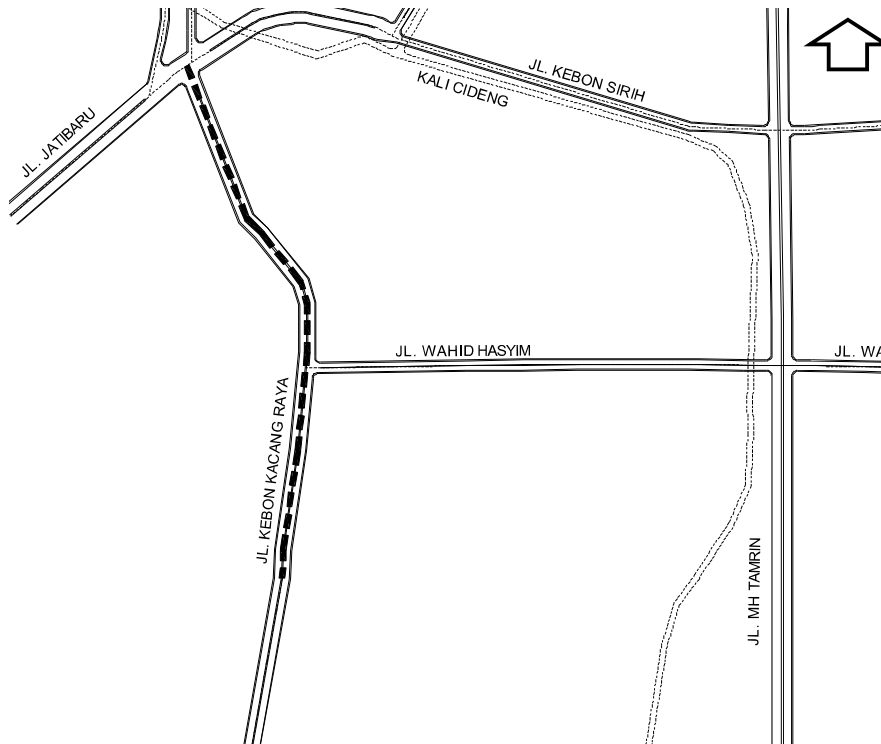


### FOTO

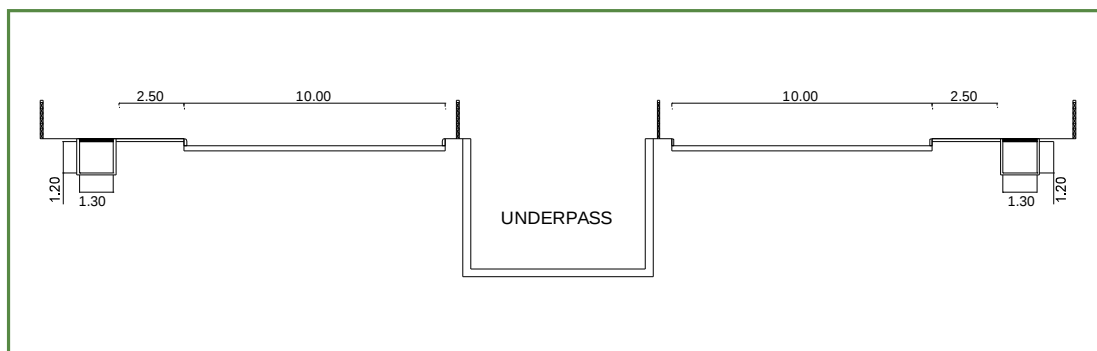


## 24. DETAIL OF JL. KEBON KACANG RAYA

### LAYOUT



### SKETCH

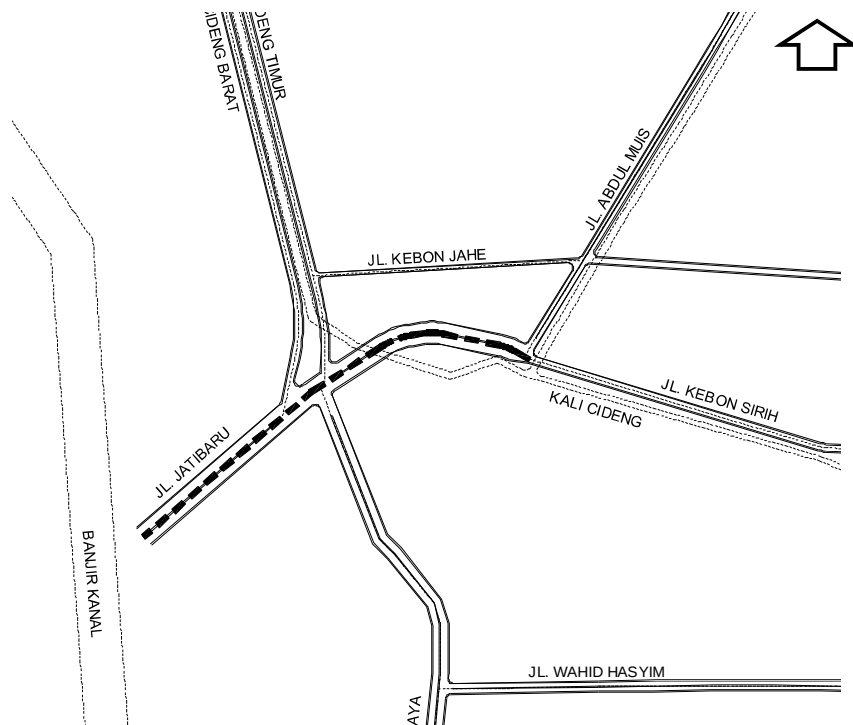


### FOTO

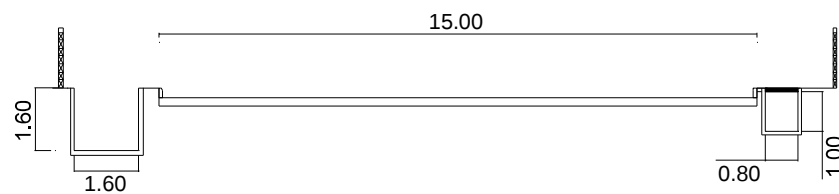


## 25. DETAIL OF JL. JATIBARU

### LAYOUT



### SKETCH

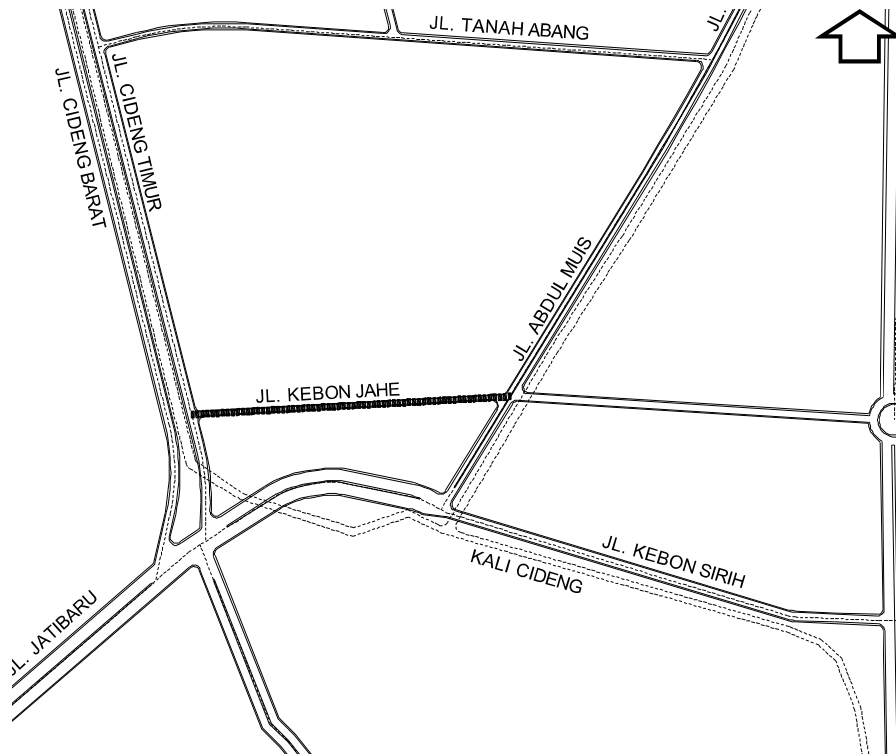


### FOTO

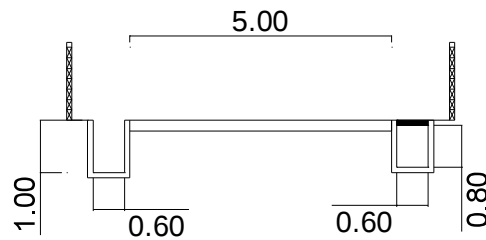


## 26. DETAIL OF JL. KEBON JATI

## LAYOUT



## SKETCH

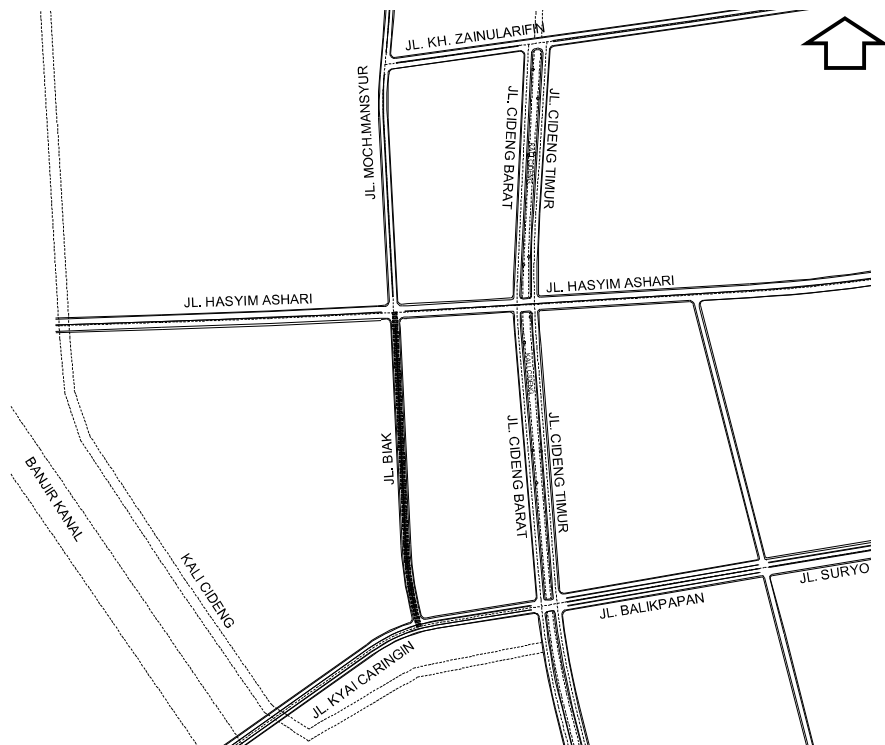


## FOTO

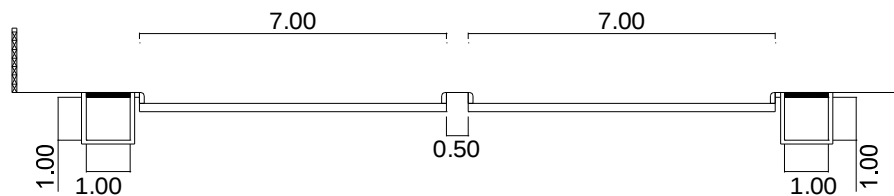


### 33. DETAIL OF JL. BIAK

#### LAYOUT



#### SKETCH

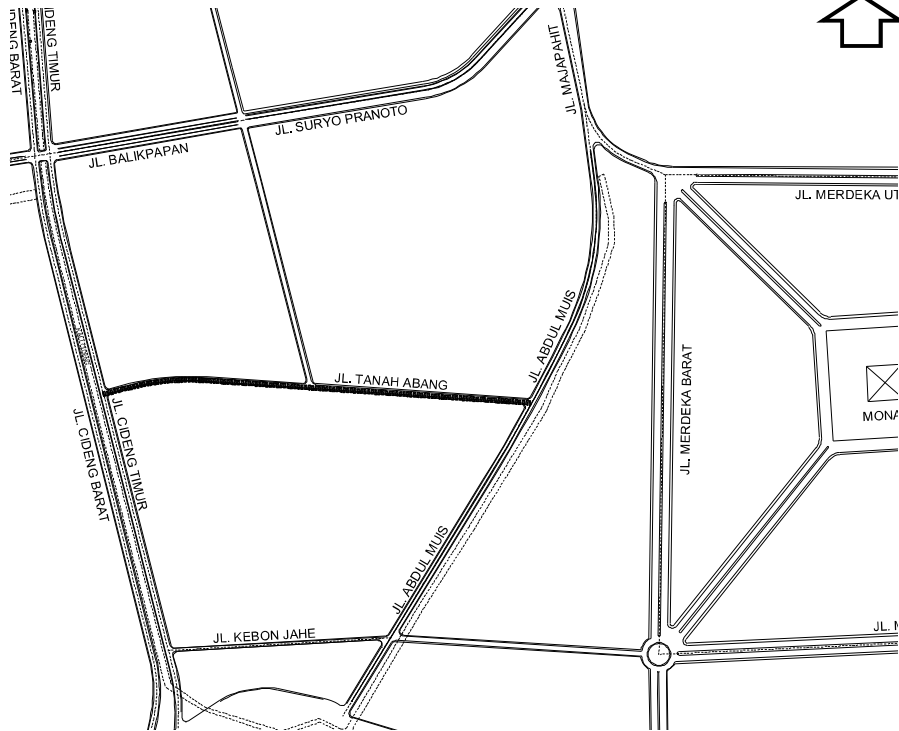


#### FOTO

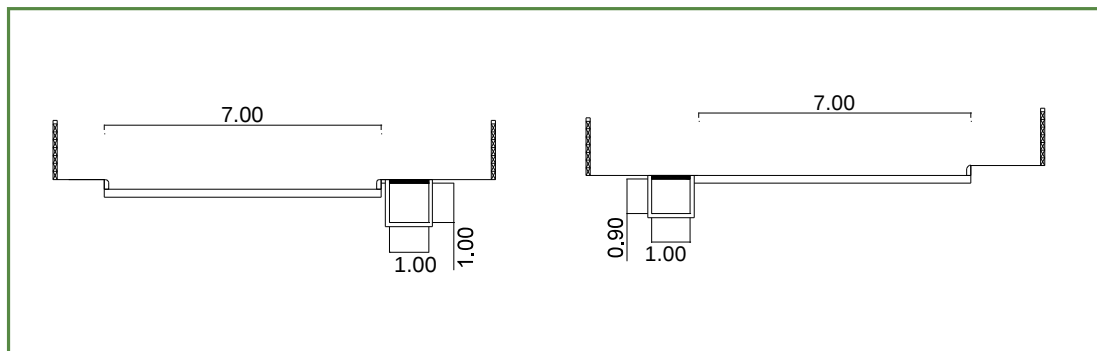


### 37. DETAIL OF JL. TANAH ABANG

#### LAYOUT



#### SKETCH

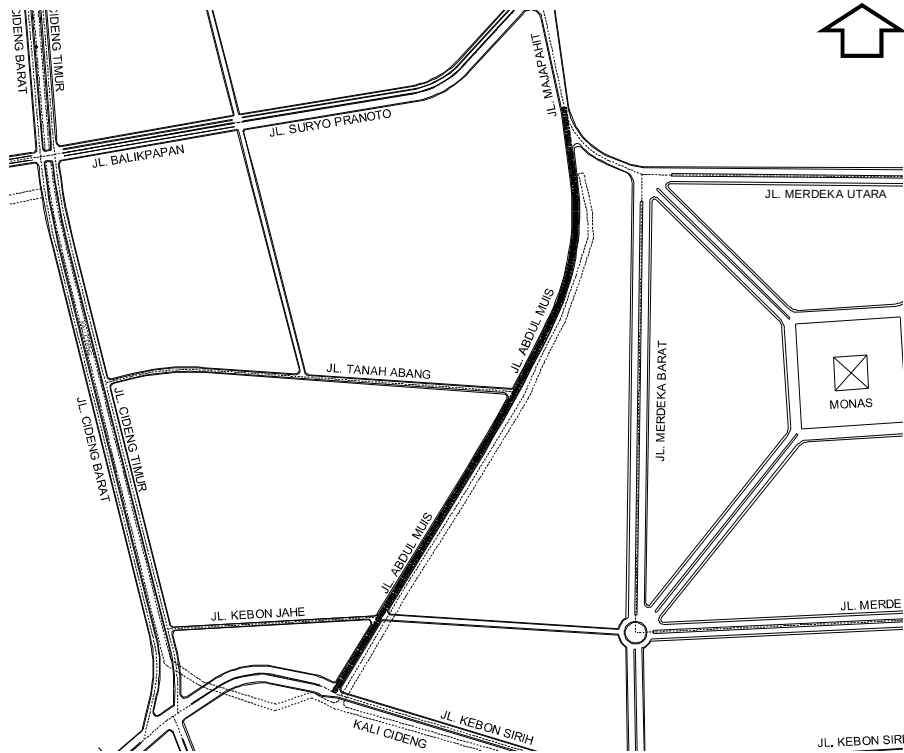


#### FOTO

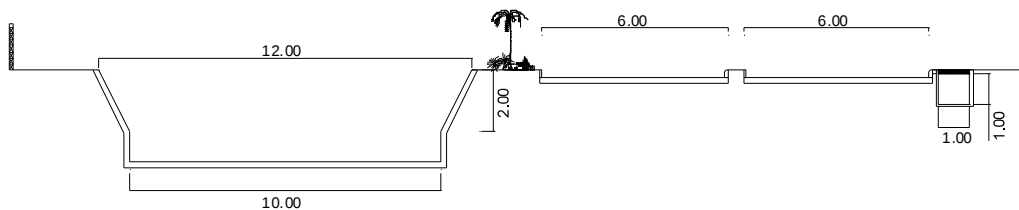


### 38. DETAIL OF JL. ABDUL MUIS

#### LAYOUT



#### SKETCH

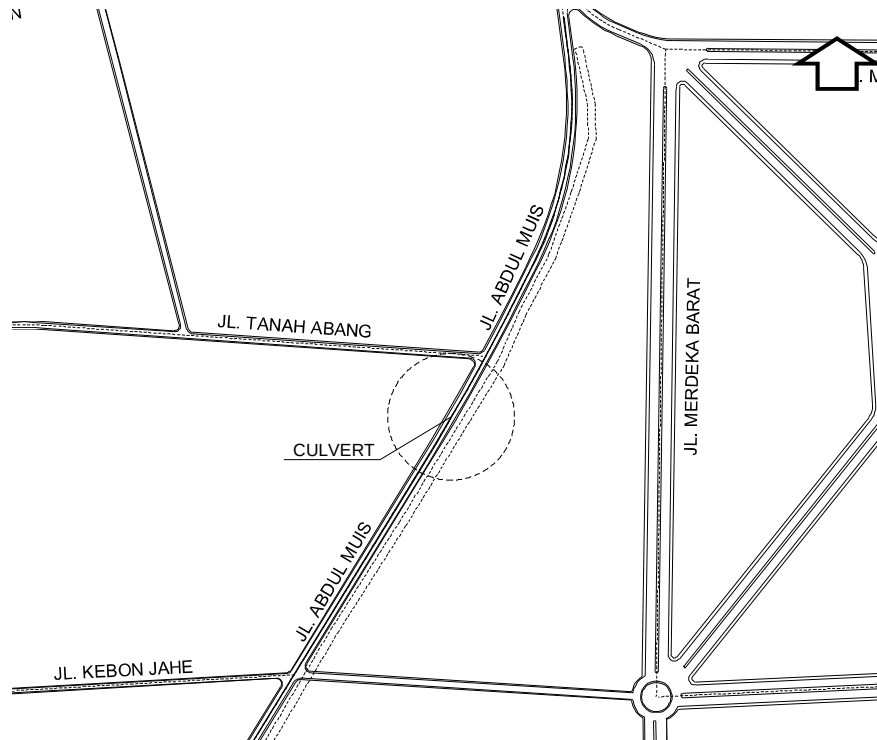


#### FOTO



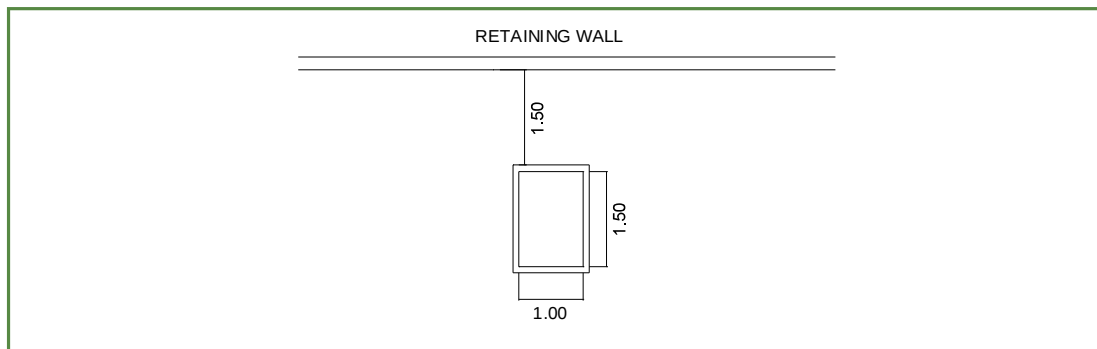
### 38-1. DETAIL OF CULVERT IN JL. ABDUL MUIS

#### LAYOUT



Position: X=701377.661 Y=9316928.172

#### SKETCH

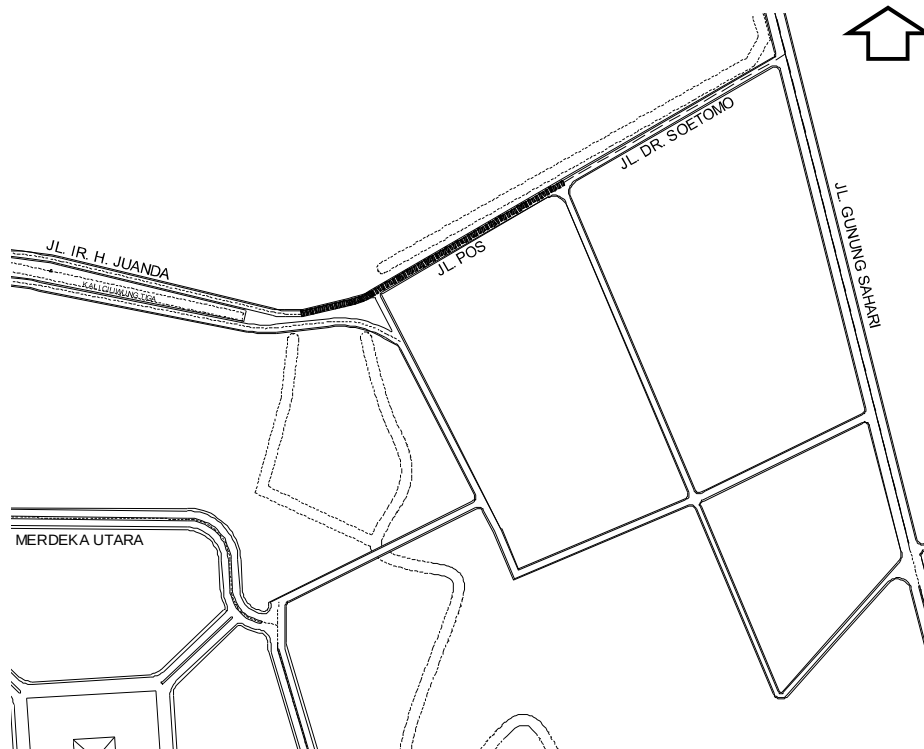


#### FOTO

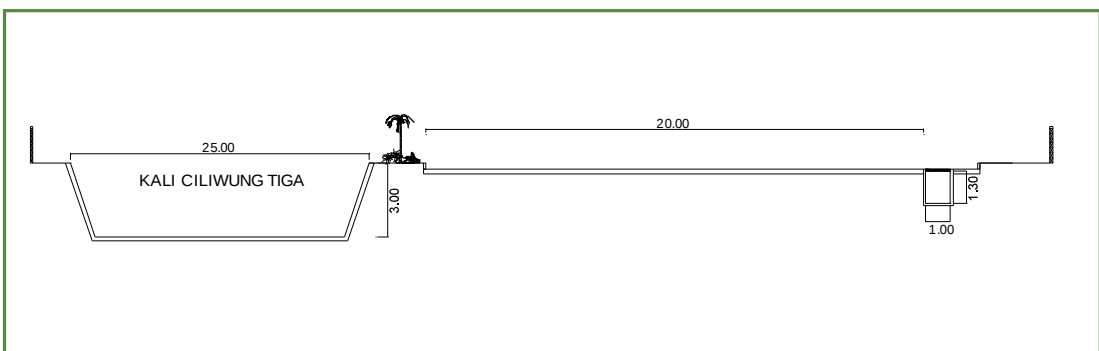


### 39. DETAIL OF JL. POS

#### LAYOUT



#### SKETCH



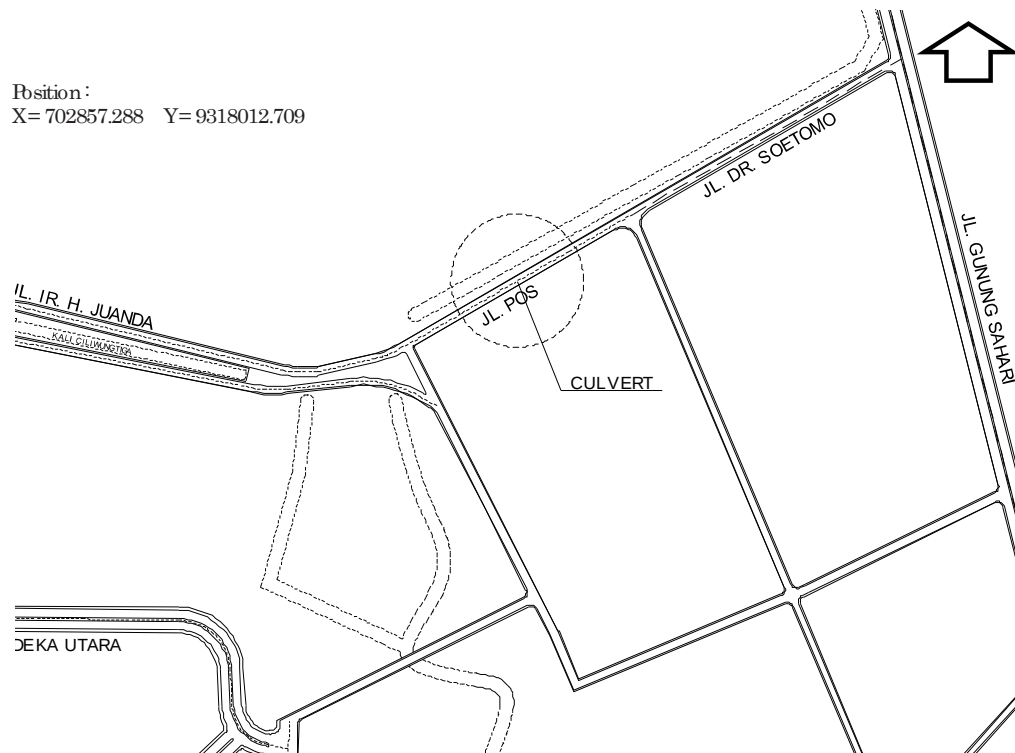
#### FOTO



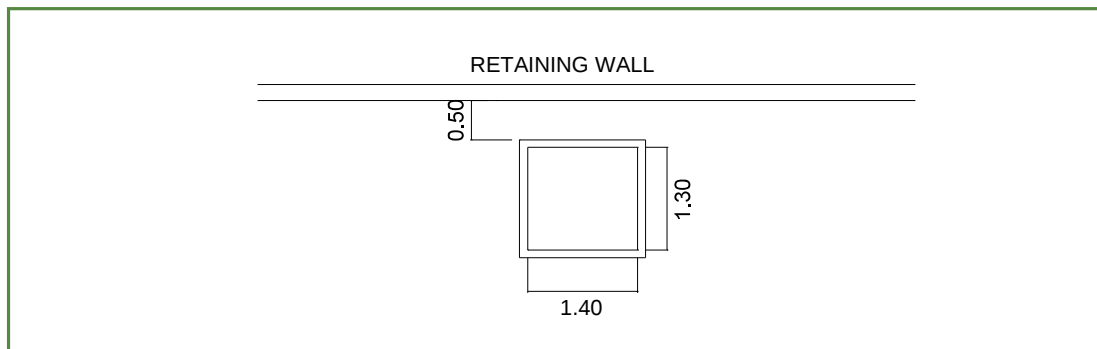
## 39-1. DETAIL OF CULVERT IN JL. POS

## LAYOUT

Position:  
X= 702857.288 Y= 9318012.709



## SKETCH

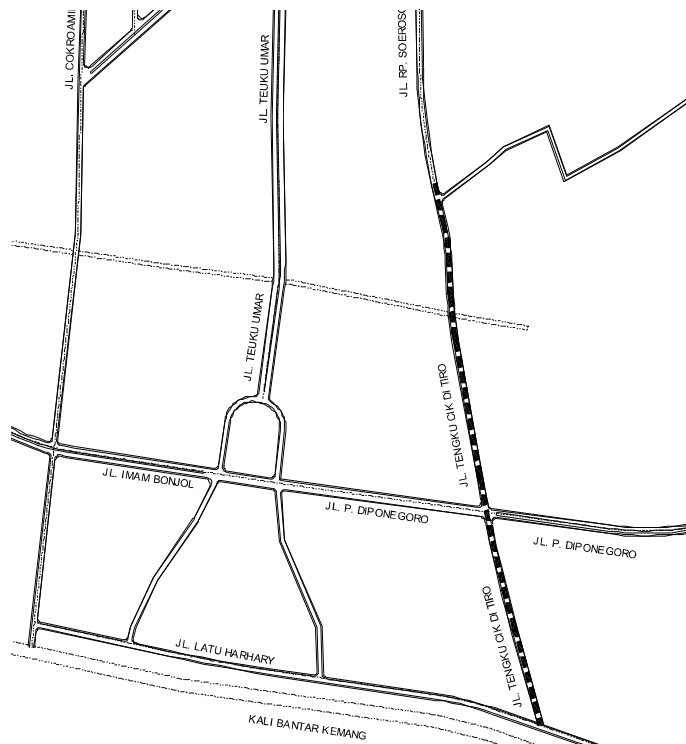


## FOTO

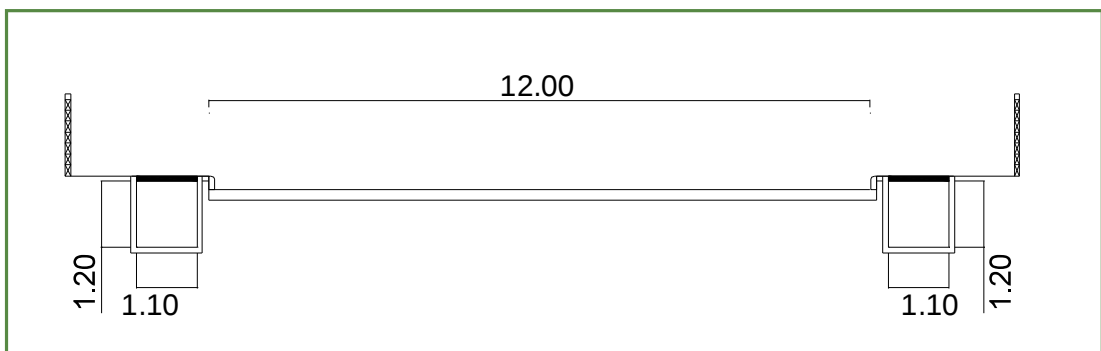


## 51. DETAIL OF JL. TEUKU CIK DI TIRO

### LAYOUT



### SKETCH

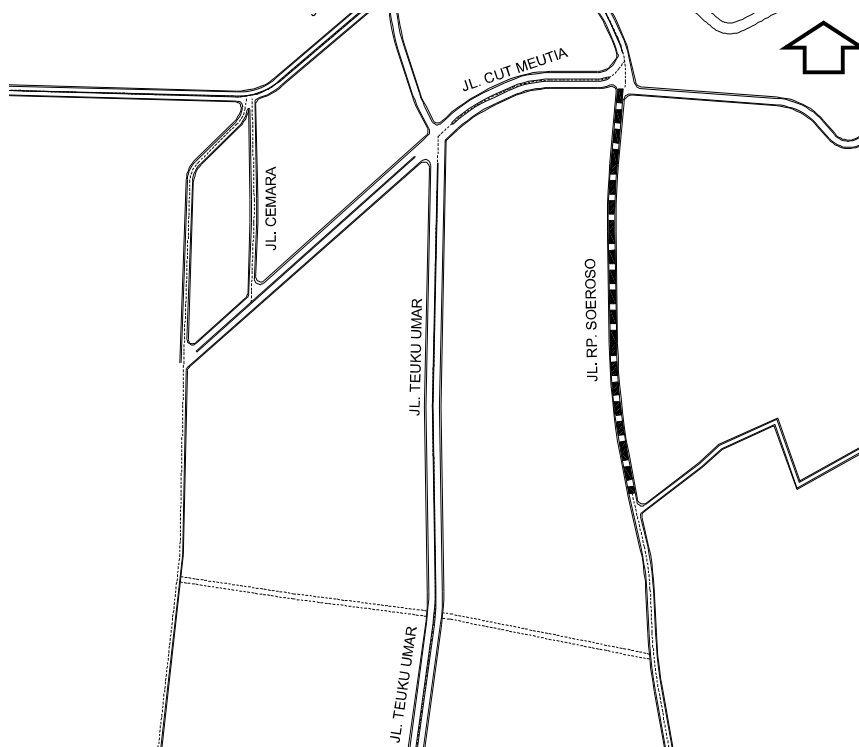


### FOTO

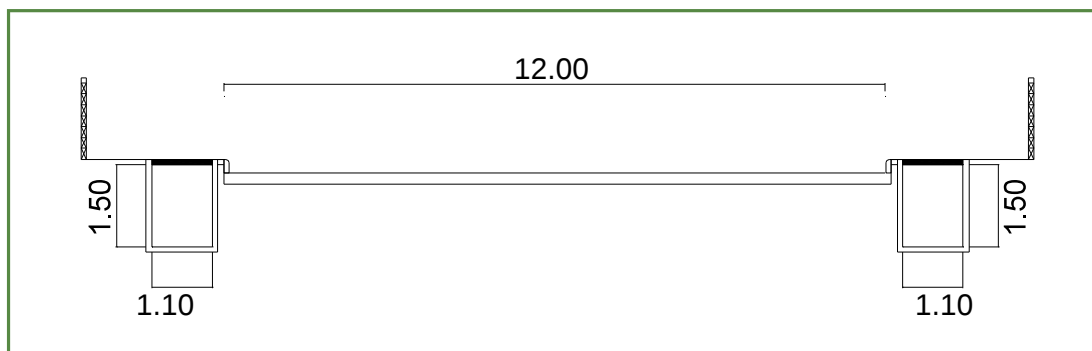


## 52. DETAIL OF JL. RP. SOEROSO

## LAYOUT



## SKETCH

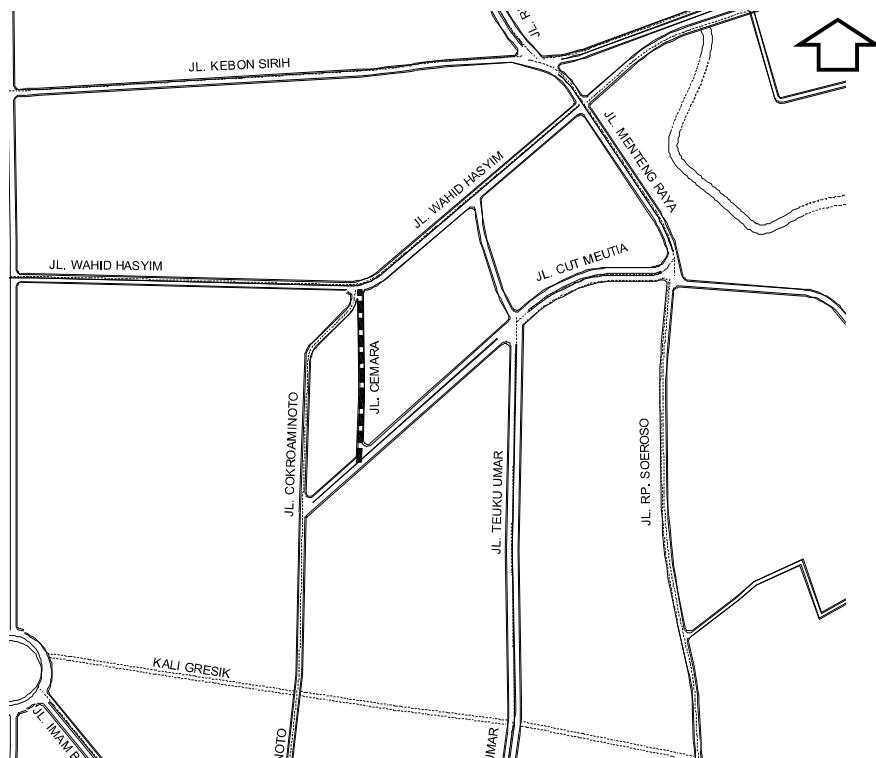


## FOTO

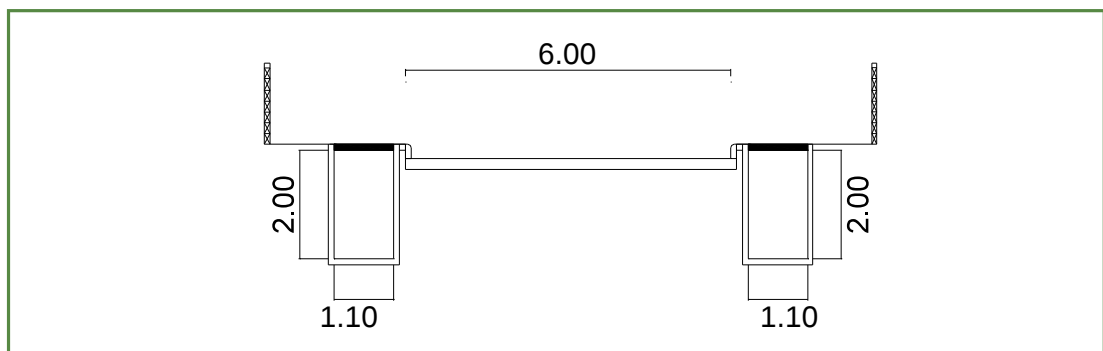


## 55. DETAIL OF JL. CEMARA

### LAYOUT



### SKETCH

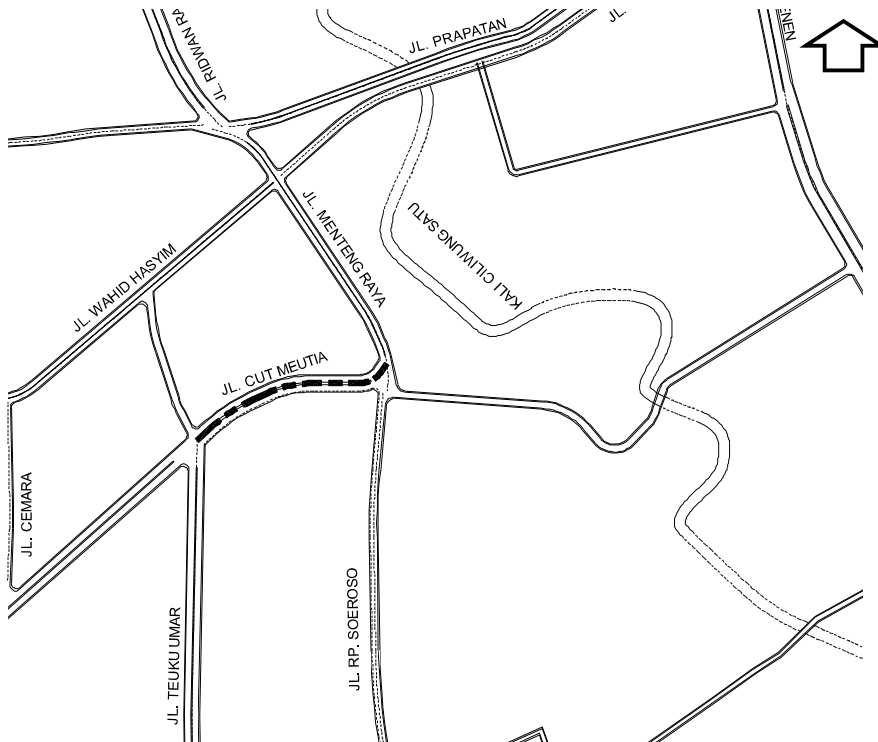


### FOTO

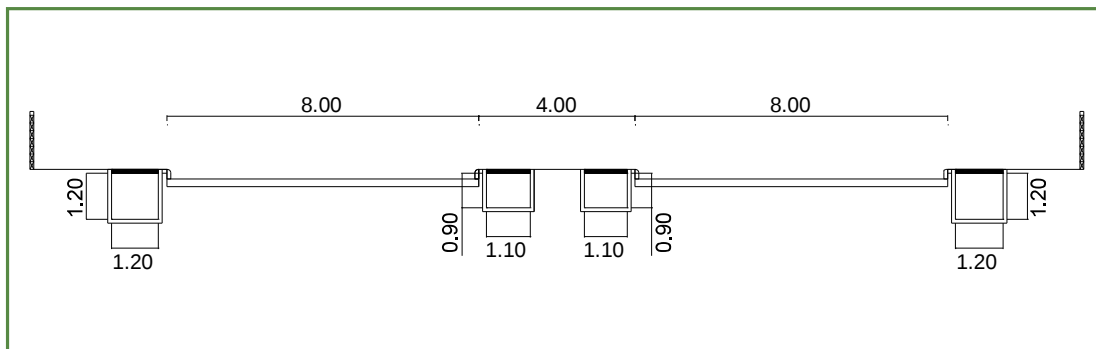


## 56. DETAIL OF JL. CUT MUTIA

## LAYOUT



## SKETCH

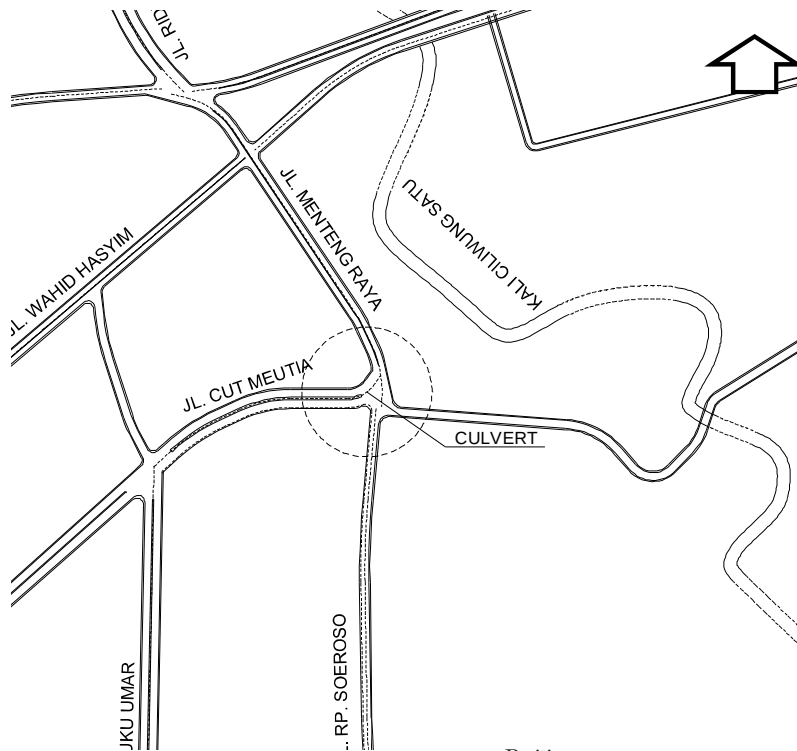


## FOTO



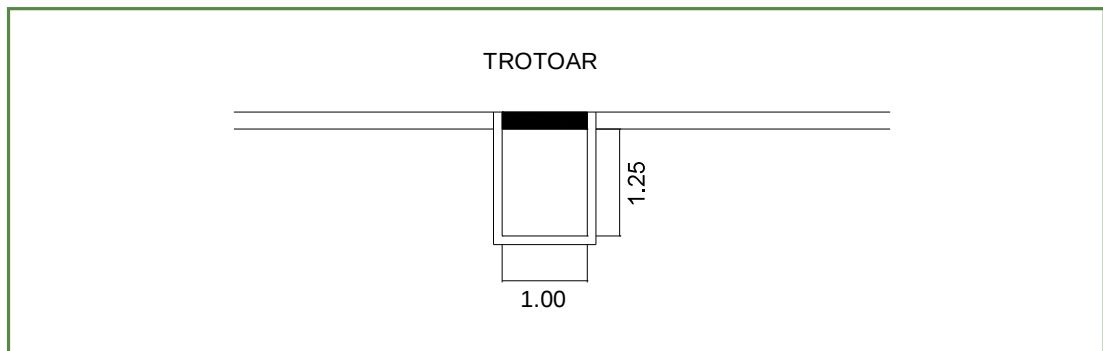
## 56-1. DETAIL OF CULVERT IN JL. CUT MUTIA

### LAYOUT



### SKETCH

Position :  
X= 703162.075 Y= 9315798.303

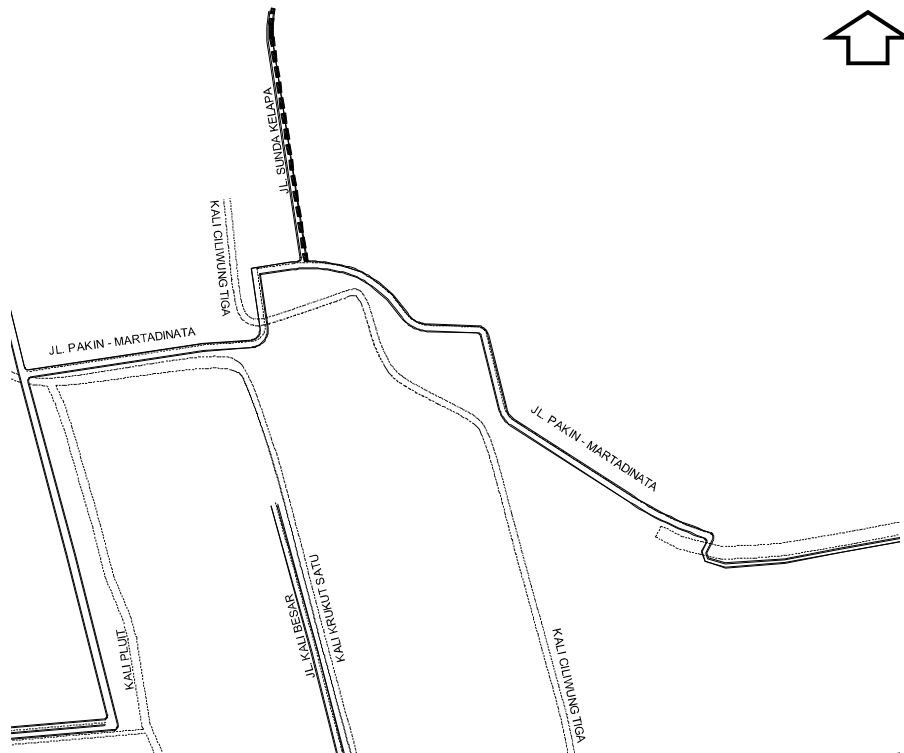


### FOTO

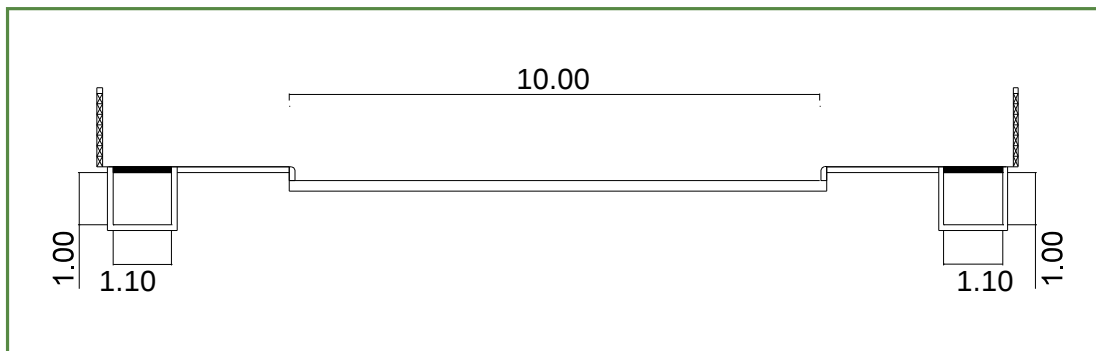


## 58. DETAIL OF JL. SUNDA KELAPA

## LAYOUT



## SKETCH

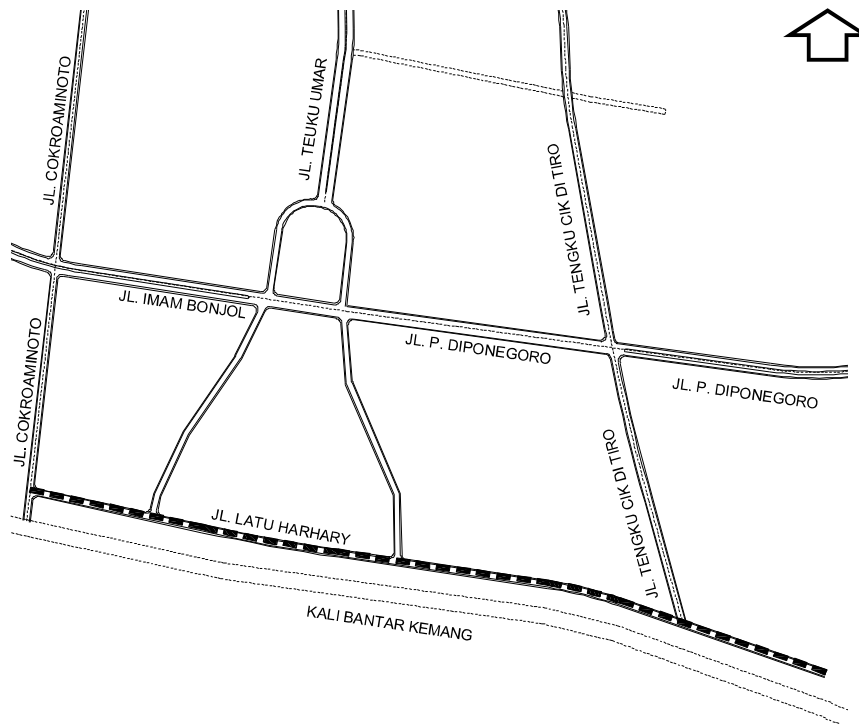


## FOTO

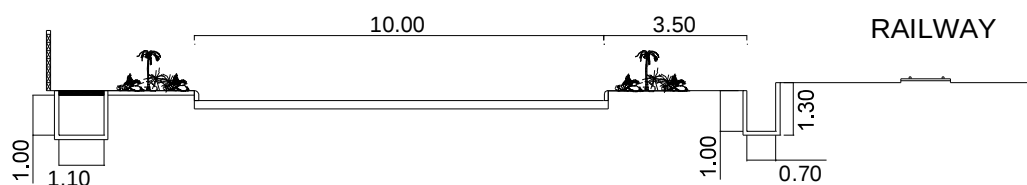


## 59.1 DETAIL OF JL. LATUHARHARY (TYPE-1)

### LAYOUT



### SKETCH

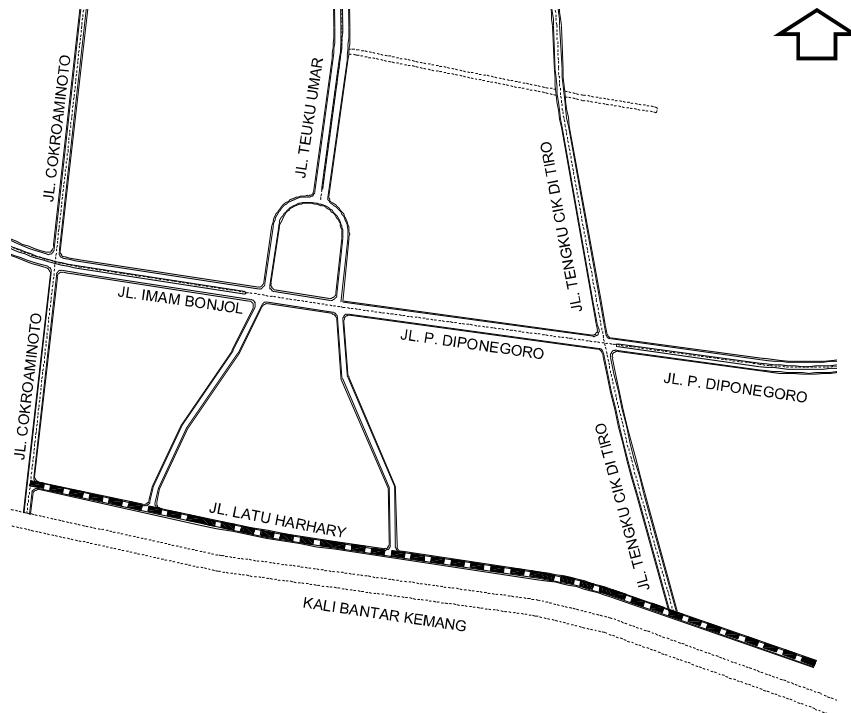


### FOTO

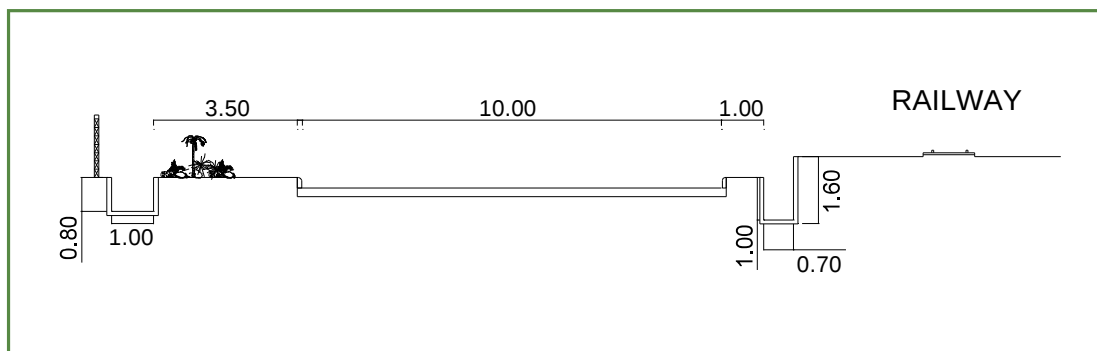


## 59-2. DETAIL OF JL. LATUHARHARY (TYPE-2)

### LAYOUT



### SKETCH

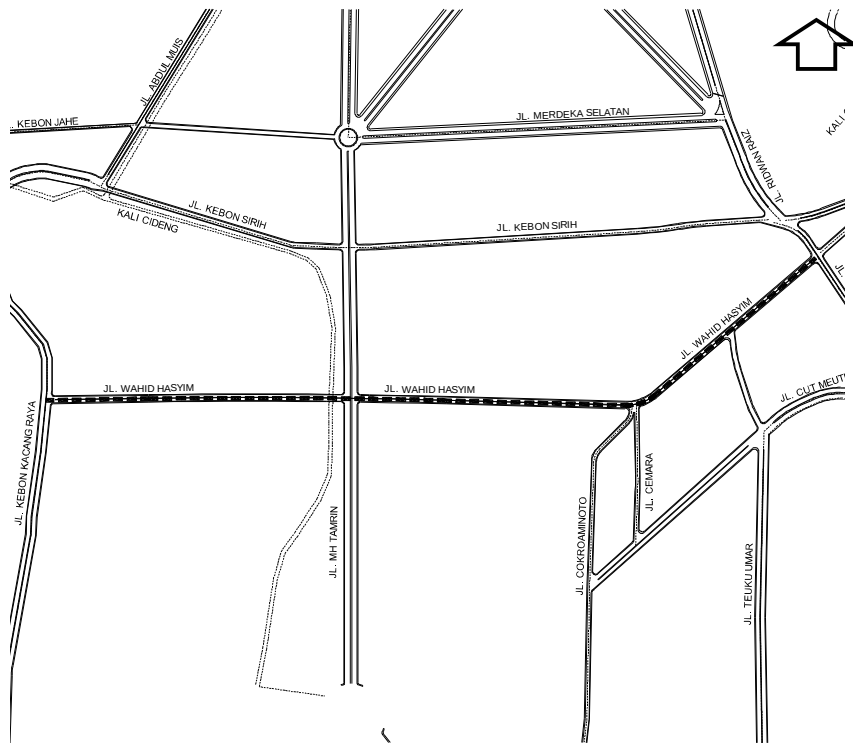


### FOTO

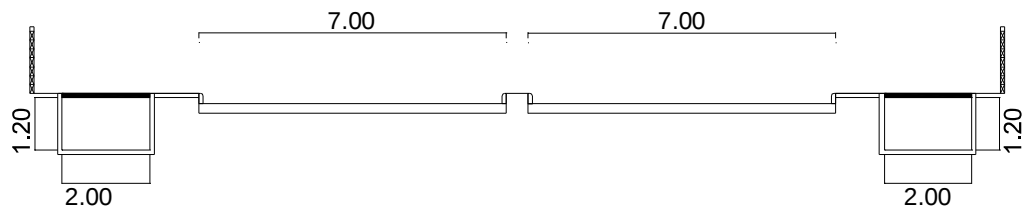


## 62-1. DETAIL OF JL WAHID HASYIM (TYPE-1)

### LAYOUT



### SKETCH

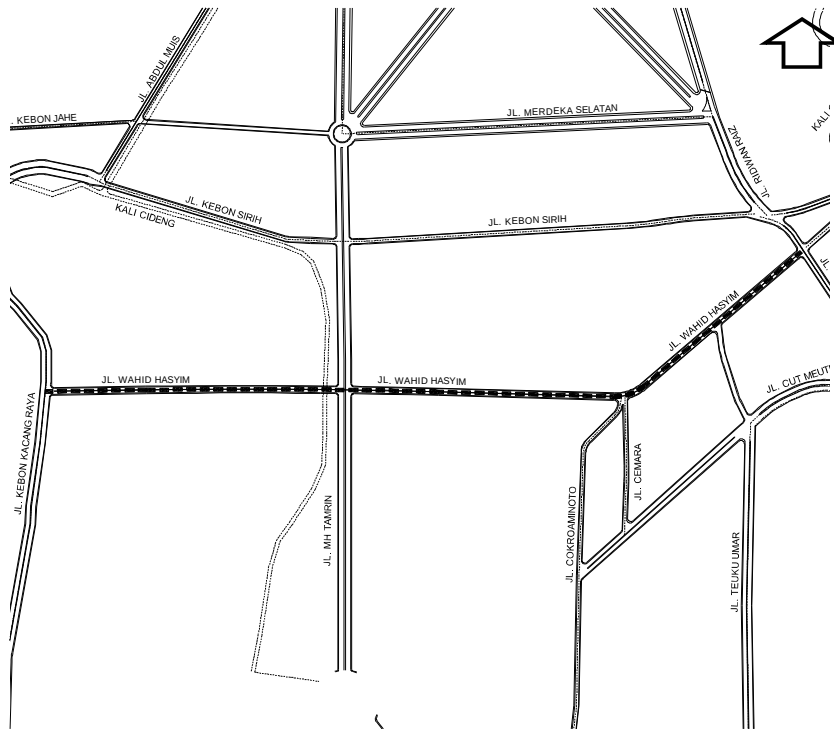


### FOTO

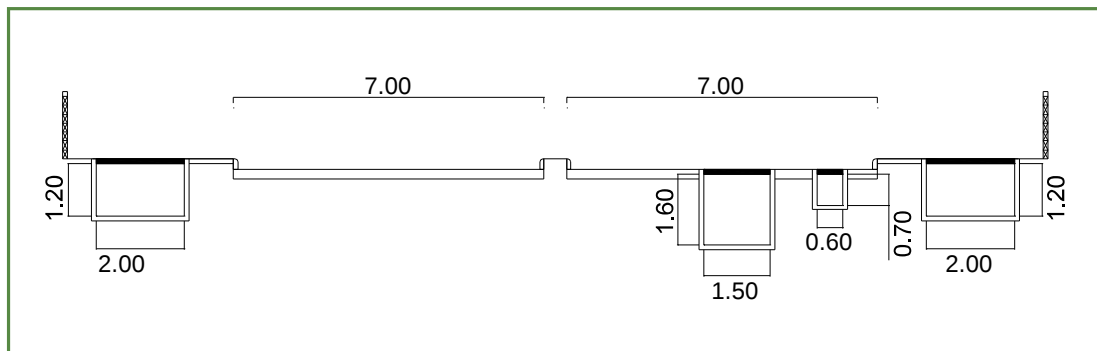


## 62-2. DETAIL OF JL. WAHID HASYIM (TYPE-2)

### LAYOUT



### SKETCH

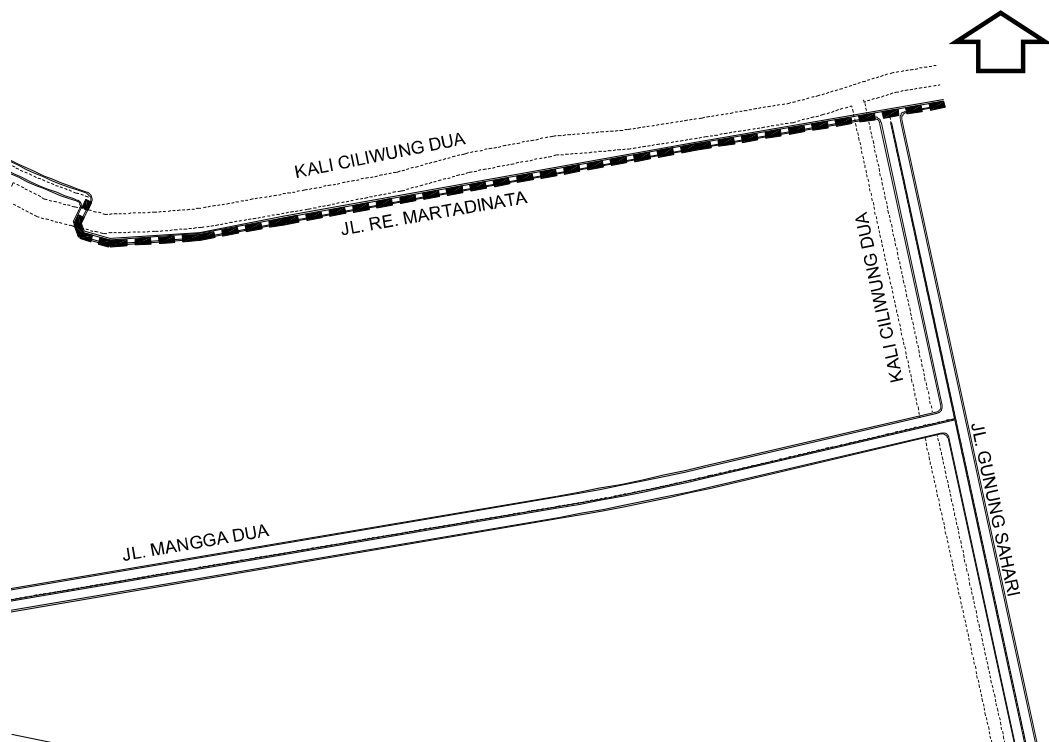


### FOTO

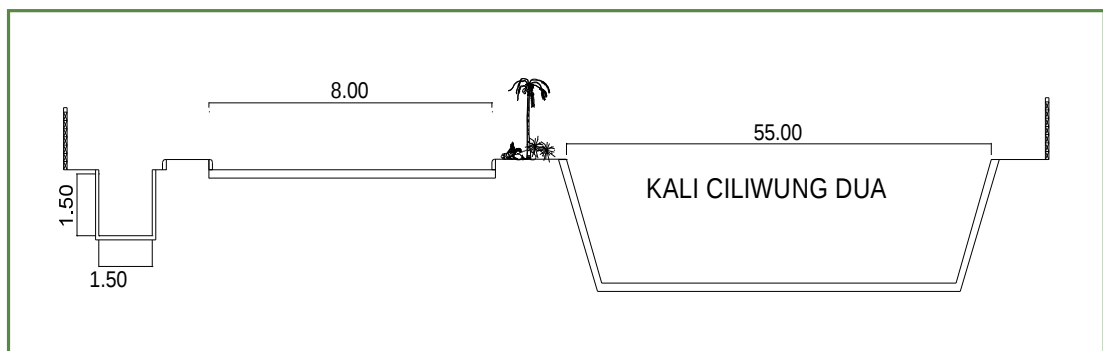


## 64. DETAIL OF JL. MARTADINATA

### LAYOUT



### SKETCH

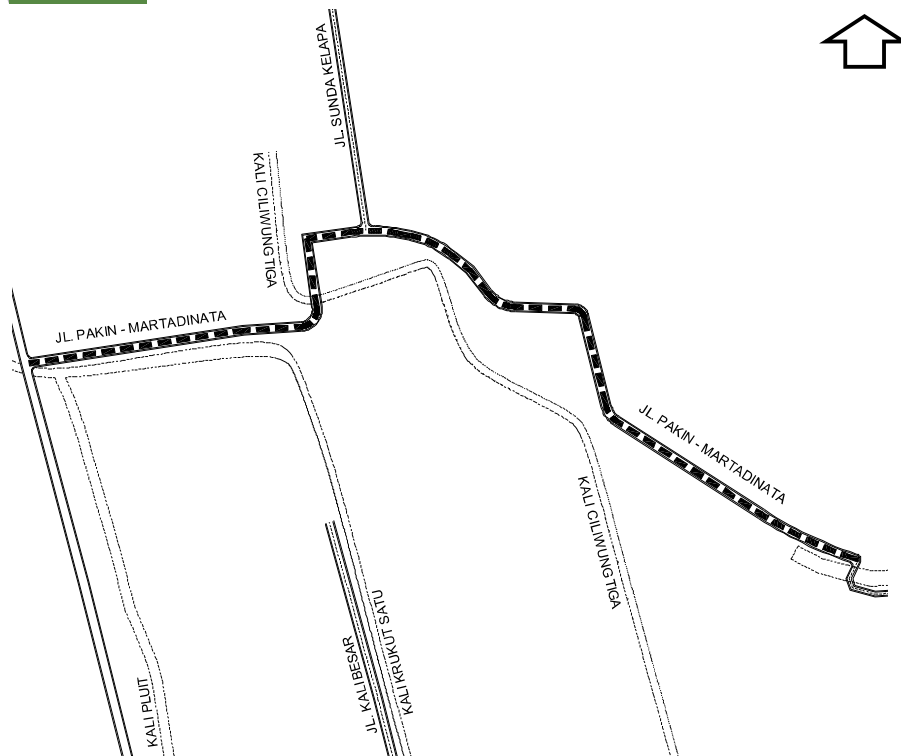


### FOTO

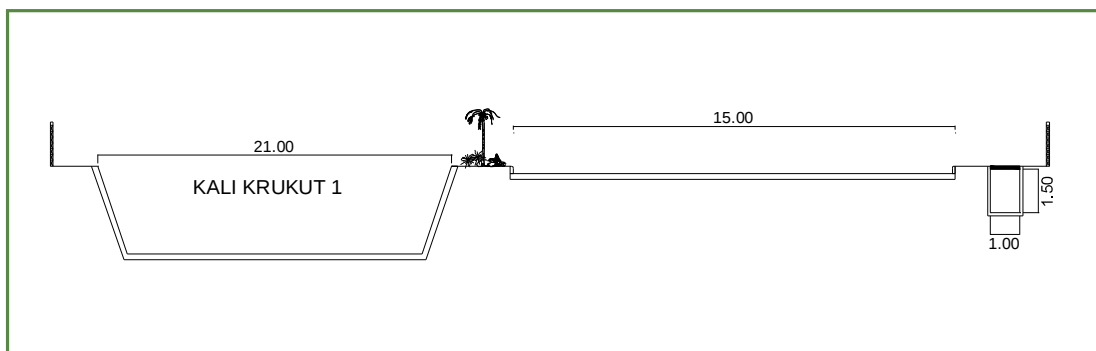


## 65. DETAIL OF JL PAKIN TO MARTADINATA

### LAYOUT



### SKETCH



### FOTO

